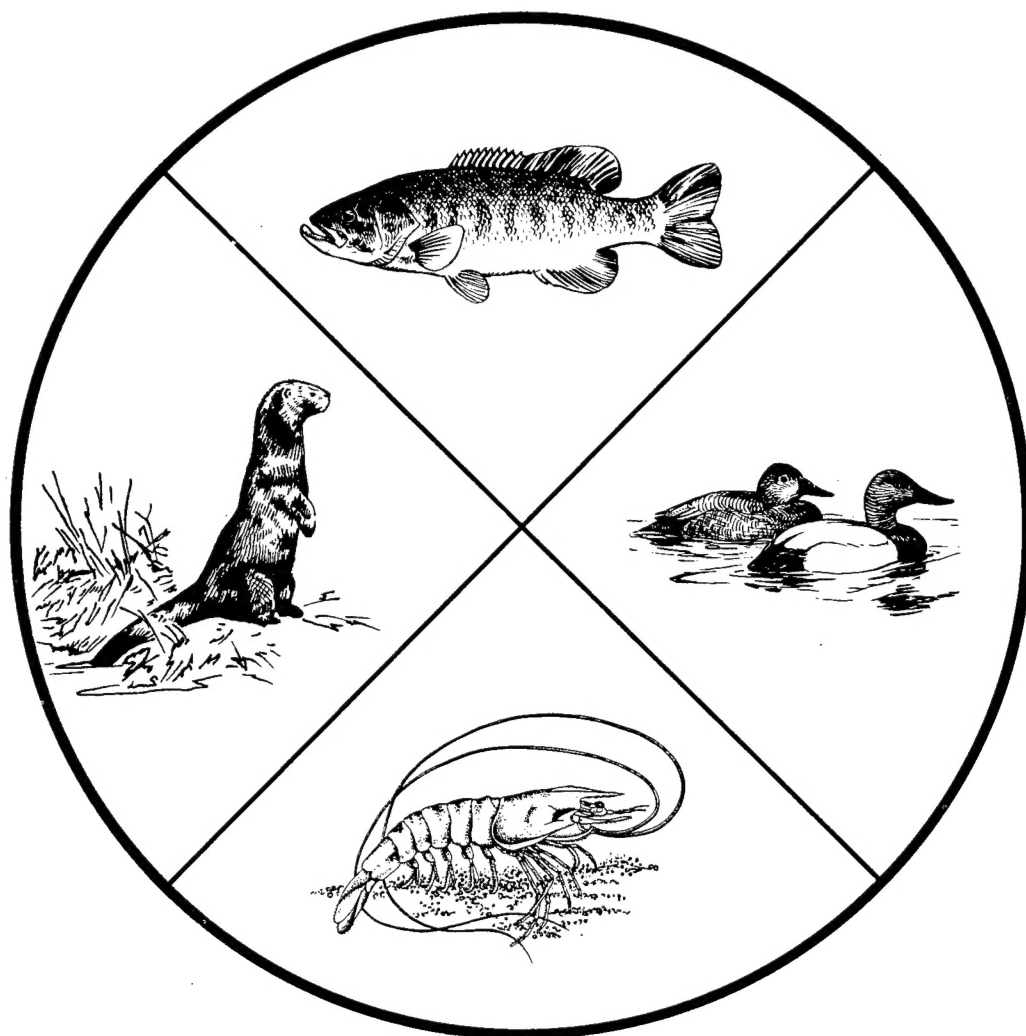


INDEX TO COMMON AND SCIENTIFIC NAMES OF SPECIES LISTED IN CONTAMINANT HAZARD REVIEWS 1 THROUGH 15



19970320 123

Fish and Wildlife Service

U.S. Department of the Interior

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

DTIC QUALITY ASSURED 1

Publications in the Contaminant Hazard Review Series^a

Subject	Publication date	Publication number
Mirex	March 1985	85(1.1)
Cadmium	July 1985	85(1.2)
Carbofuran	August 1985	85(1.3)
Toxaphene	August 1985	85(1.4)
Selenium	October 1985	85(1.5)
Chromium	January 1986	85(1.6)
Polychlorinated Biphenyls	April 1986	85(1.7)
Dioxins	May 1986	85(1.8)
Diazinon	August 1986	85(1.9)
Mercury	April 1987	85(1.10)
Polycyclic Aromatic Hydrocarbons	May 1987	85(1.11)
Arsenic	January 1988	85(1.12)
Chlorpyrifos	March 1988	85(1.13)
Lead	April 1988	85(1.14)
Tin	January 1989	85(1.15)

^aCopies of individual reviews, if available, can be obtained by writing the Section of Information Management, Patuxent Wildlife Research Center, U.S. Fish and Wildlife Service, Laurel, Maryland 20708.

Biological Report 85(1.16)
February 1989

Contaminant Hazard Reviews
Report No. 16

INDEX TO COMMON AND SCIENTIFIC NAMES
OF SPECIES LISTED IN CONTAMINANT
HAZARD REVIEWS 1 THROUGH 15

by

Ronald Eisler

and

Joyce Haber Corley

U.S. Fish and Wildlife Service
Patuxent Wildlife Research Center
Laurel, MD 20708

Fish and Wildlife Service
U.S. Department of the Interior

DISCLAIMER

Mention of trade names or commercial products does not constitute U.S. Government endorsement or recommendation for use.

Suggested citation for this report:

Eisler, R., and J. H. Corley. 1989. Index to common and scientific names of species listed in Contaminant Hazard Reviews 1 through 15. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.16). 44 pp.

SUMMARY

The Contaminant Hazard Review series emphasizes ecotoxicological aspects of selected chemical pollutants to fishery and wildlife resources, and includes reports on various agricultural pesticides (mirex, carbofuran, toxaphene, diazinon, chlorpyrifos), metals and metalloids (arsenic, cadmium, chromium, mercury, lead, selenium, tin), and organic industrial wastes (polycyclic aromatic hydrocarbons, dioxins, polychlorinated biphenyls). The present account is a cumulative index to the common and scientific names of all biological species listed in the first 15 reports in the Contaminant Hazard Review series, published as U.S. Fish and Wildlife Service Biological Reports 85(1.1) through 85(1.15), inclusive. Individual species were cross-referenced by contaminant and corresponding page numbers.

CONTENTS

	<u>Page</u>
SUMMARY.	iii
ACKNOWLEDGMENTS	vi
INTRODUCTION	1
INDEX.	2
LITERATURE CITED	43

ACKNOWLEDGMENTS

We thank Barbara A. Roberts and Julia L. Armstrong for secretarial assistance, Lynda J. Garrett for constructively reviewing the manuscript, and James R. Zuboy, Paul A. Opler, Paul H. Eschmeyer, and Nancy M. Wells for editorial services.

INTRODUCTION

A total of 15 Contaminant Hazard Reviews have been published since 1985 (Eisler 1985a,b,c,d; 1986a,b,c,d; 1987a,b; 1988a,b; 1989; Eisler and Jacknow 1985; Odenkirchen and Eisler 1988). These reviews briefly summarized ecological and toxicological aspects of various chemical pollutants, with particular emphasis on fishery and wildlife resources. Specifically, reviews were prepared on selected agricultural pesticides (mirex, carbofuran, diazinon, toxaphene, chlorpyrifos), metalloids (arsenic, selenium), metals (cadmium, lead, chromium, mercury, tin), and organic industrial wastes (polychlorinated biphenyls, dioxins, polycyclic aromatic hydrocarbons).

We present herein an index to the common and scientific names of all species listed in Contaminant Hazard Reviews 1 to 15. This report was prepared in response to a request from environmental specialists of the U.S. Fish and Wildlife Service. Taxonomic nomenclatures for plants, invertebrates, and vertebrates are under constant revision. Accordingly, we elected to conform as much as possible to the systems and spellings used by Swain and Swain (1948) for insects, Edwards (1974) for birds, American Fisheries Society (1980) for fishes, Johnson and Finley (1980) and Jenkins (1980) for invertebrates, Jenkins (1980) and Scott and Wasser (1980) for plants, and Nowak and Paradiso (1983) for mammals.

In this report, individual species are arranged alphabetically in the Index by scientific and common name. The scientific name is followed by an underlined number that refers to one of the Contaminant Hazard Reviews in the following list, and to the page numbers within the report.

- 1= Mirex (Eisler 1985a)
- 2= Cadmium (Eisler 1985b)
- 3= Carbofuran (Eisler 1985c)
- 4= Toxaphene (Eisler and Jacknow 1985)
- 5= Selenium (Eisler 1985d)
- 6= Chromium (Eisler 1986a)
- 7= Polychlorinated biphenyls (Eisler 1986b)
- 8= Dioxins (Eisler 1986c)
- 9= Diazinon (Eisler 1986d)
- 10= Mercury (Eisler 1987a)
- 11= Polycyclic aromatic hydrocarbons (Eisler 1987b)
- 12= Arsenic (Eisler 1988a)
- 13= Chlorpyrifos (Odenkirchen and Eisler 1988)
- 14= Lead (Eisler 1988b)
- 15= Tin (Eisler 1989)

INDEX

- Abalone, red, *Haliotis rufescens*
Abelmoschus esculentus: 3 18.
Acartia clausi: 5 33; 6 22, 24; 10 60; 12 50.
Acartia tonsa: 4 10; 5 33; 7 47; 10 48; 15 43.
Accipenser nudiventris: 15 39, 66.
Accipenser stellatus: 15 39.
Accipiter cooperii: 2 13, 15; 7 15.
Accipiter gentilis: 10 31.
Accipiter nisus: 10 31, 41, 63.
Accipiter sp.: 10 41.
Acer rubrum: 3 26.
Acmaea digitalis: 14 28.
Acris sp.: 10 47.
Actitis macularia: 7 15.
Adinia xenica: 1 14.
Aedes aegypti: 8 19.
Aeromonas: 5 4.
Agelaius phoeniceus: 1 4, 6, 9; 3 1, 11, 12, 15; 4 6; 7 36, 40; 9 iii, 8, 9, 14; 10 50; 13 13; 14 77.
Agriolimax reticulatus: 9 25.
Agrobacter sp.: 6 29.
Agropyron smithii: 5 21.
Agrostis tenuis: 12 22.
Aix sponsa: 10 31, 40.
Albatross, Laysan, *Diomedea immutabilis*
Alburnus alburnus: 15 46.
Alces alces: 10 64.
Alcidae: 7 22.
Aldrichetta forsteri: 6 22, 24.
Alectoris chukar: 10 51; 12 57; 13 13.
Alewite, *Alosa pseudoharengus*
Alfalfa, *Medicago sativa*
Algae
 Bladder wrack, *Fucus vesiculosus*
 Brown, *Ascomyllum*, *Egregia*, *Fucus*, *Laminaria*
 Red, *Champia*, *Plumaria*
 Various, *Amphora*, *Anabaena*, *Anacystis*, *Ankistrodesmus*, *Asterionella*, *Asteromonas*, *Blidingia*, *Chlamydomonas*, *Chlorella*, *Chroomonas*, *Cladophora*, *Dunaliella*, *Enteromorpha*, *Hymenomonas*, *Microcystis*, *Nitzschia*, *Nostoc*, *Oedogonium*, *Olisthodiscus*, *Platymonas*, *Scenedesmus*, *Scripsiella*, *Selenastrum*, *Skeletonema*, *Tetraedron*,

Tetraselmis, Thalassiosira, Ulva
Alligator, Alligator mississippiensis
Alligator mississippiensis: 12 32.
Allium porrum: 11 35.
Allium sp.: 9 1.
Allolobophora caliginosa: 8 17.
Alosa pseudoharengus: 1 27, 29; 6 12; 12 23.
Ambloplites rupestris: 10 26.
Ambystoma opacum: 10 47; 12 47; 14 72.
Ambystoma tigrinum: 11 24, 49.
Amnicola sp.: 6 23.
Ampelisca abdita: 14 67.
Amphioxus, Branchiostoma caribaeum
Amphipods, Ampelisca, Corophium, Elasmopus, Gammarus, Hyaella, Orchestia,
Pontoporeia
Amphora coffeaeformis: 15 48.
Anabaena variabilis: 5 31.
Anabas testudineus: 3 8, 20, 21.
Anacystis nidulans: 5 31.
Anarhichas minor: 14 32.
Anas acuta: 3 1; 7 16; 14 2, 42, 75.
Anas americana: 3 1.
Anas carolinensis: 3 1.
Anas clypeata: 7 16.
Anas discors: 10 32.
Anas fulvigula: 14 42.
Anas platyrhynchos: 1 6, 7, 9, 15, 31; 2 iii, 16, 24, 30, 34; 3 11, 12, 14; 4
8, 12, 17; 5 20, 29, 38, 39; 7 16, 32, 36, 40, 41, 52; 8 23; 9 iv, 1, 9,
12, 14; 10 33, 50, 51, 53, 62, 63, 71; 11 50; 12 57; 13 12, 14, 15, 22,
24; 14 12, 41, 42, 51, 73, 75-77, 79, 86; 15 35, 49, 50, 52.
Anas rubripes: 1 31; 2 24; 4 17; 6 14, 27, 37, 38; 7 16; 9 1; 10 62; 12 32;
14 2, 42, 51, 77.
Anas spp.: 5 20, 26, 38; 9 iii, 1, 8, 14; 11 1; 12 32, 76; 13 15; 14 12, 13,
77.
Anas strepera: 14 51.
Anchovy, Engraulidae
Andropogon scoparius: 5 21.
Anguilla anguilla: 8 12; 14 72.
Anguilla rostrata: 8 11.
Anguilla sp.: 1 27; 5 6, 37.
Anguilla vulgaris: 10 61.
Anhinga, Anhinga anhinga
Anhinga anhinga: 1 31.
Ankistrodesmus falcatus: 12 45; 15 6, 39, 46.
Ankistrodesmus sp.: 13 18.
Annelids, Nereis, Tubifex
Anodonta anatina: 15 40, 44.
Anser anser: 14 51.

Anser spp.: 9 iii, 1, 14; 12 76.
Ant
 Big-head, Formicidae
 Fire, Solenopsis invicta
 Various, Formicidae
Antelope, Antilopinae
Anthocidaris crassispina: 6 37; 14 67.
Anthonomus grandis: 12 6.
Antilocapra americana: 6 14, 17.
Antilopinae: 5 26.
Antimora rostrata: 1 24; 10 26.
Anurans: 10 47.
Apeltes quadracus: 5 34.
Aphid, Macrosiphium gei
Apis mellifera: 9 1, 13; 12 42, 44.
Apis spp.: 3 8, 17; 9 iii; 13 22; 14 29.
Apium graveolans: 4 1.
Aplodinotus grunniens: 10 26.
Aplodontia rufa: 8 16.
Apodemus sylvaticus: 10 35; 14 42.
Apple, Malus
Aquipecten irradians: 2 28.
Arachis hypogea: 3 1, 19; 4 19.
Arachnids : 3 26; 5 5; 14 32; 15 10, 15.
Aramus guarauna: 4 7.
Araneus umbricatus: 14 48.
Arbacia lixula: 14 29.
Arbacia punctulata: 7 48.
Arctcephalus pusillus: 10 35.
Arcularia gibbosa: 10 24.
Ardea cinerea: 10 2, 54.
Ardea herodias: 7 16; 10 32.
Arenicola cristata: 1 8; 15 44, 47, 48.
Argopecten irradians: 10 48.
Armadillos: 14 99.
Arius felis: 4 6; 11 48.
Armyworm, Lepidoptera
Artemia salina: 12 55.
Artemisia tridentata: 6 13.
Arthrobacter sp.: 6 29.
Ascophyllum nodosum: 2 4; 6 9.
Asellus sp.: 10 23; 14 60.
Asio otus: 7 16.
Asparagus, Asparagus officinale
Asparagus officinale: 5 21.
Aspen, trembling, Populus tremuloides
Astacus fluviatilis: 10 61.
Aster, Aster, Astragalus

Aster spp.: 5 6, 21.
Aster, tansy, Machaeranthera spp.
Asterias forbesi: 6 22.
Asterionella formosa: 2 21.
Asteroid, Echinus esculentus
Asteromonas gracilis: 15 38.
Astragalus argillosus: 5 21.
Astragalus beathii: 5 21.
Astragalus bisulcatus: 5 21.
Astragalus confertiflorus: 5 21.
Astragalus crotulariae: 5 21.
Astragalus racemosus: 5 25.
Astragalus spp: 5 6, 21, 22, 25.
Astraliu rogosum: 6 33.
Atherinasoma microstoma: 6 22.
Atherix sp.: 4 9.
Atriplex spp.: 5 6, 21.
Auks, Alcidae
Australorbus glabratus: 15 46, 47.
Avena sativa: 5 21; 14 56.
Avocet, American, Recurvirostra americana
Aythya affinis: 2 9; 7 16; 14 42.
Aythya americana: 14 42.
Aythya ferina: 14 51.
Aythya fuligula: 14 51.
Aythya spp.: 12 32.
Aythya valisineria: 4 7; 6 14; 7 17; 14 2, 35, 36, 52, 103.

Baboon, Papio anubis
Bacillus spp.: 5 4.
Bacillus subtilis: 6 30.
Bacteria, Aeromonas, Agrobacter, Arthrobacter, Bacillus, Escherichia,
Flavobacterium, Klebsiella, Pseudomonas, Salmonella
Balaenoptera physalis: 12 33.
Balanus sp.: 6 35; 15 44.
Barley, Hordeum vulgare
Barnacle, Balanus sp.
Barn-owl, common, Tyto alba
Bass
 Black sea, Centropristes striata
 Largemouth, Micropterus salmoides
 Rock, Ambloplites rupestris
 Smallmouth, Micropterus dolomieu
 Striped, Morone saxatilis
Bat
 Big brown, Eptesicus fuscus
 Gray, Myotis grisescens
 Little brown, Myotis lucifugus

Bats: 14 3, 44, 53, 99.
 Beans, Phaseolus
 Bear, polar, Ursus maritimus
 Beaver
 Common, Castor canadensis
 Mountain, Aplodontia rufa
 Beet, Beta vulgaris
 Beetle
 Burying, Nicrophorus tomentosus
 Colorado potato, Leptinotarsa decemlineata
 Sawtoothed grain, Oryzaephilus surinamensis
Beta vulgaris: 7 29; 12 43.
Beta vulgaris cicla: 14 25; 15 28.
 Billfishes: 10 40.
Biomphalaria spp.: 15, 16, 38-41, 45-47.
 Blackbird
 Common, Turdus merula
 Red-winged, Agelaius phoeniceus
 Blackfish
 Common, Gadopsis marmoratus
 Largescale, Girella punctata
 Blackfly, Simulium sp.
 Blacktail, Diplodus sargus
Blarina brevicauda: 2 13, 25; 3 17; 14 43, 47, 52, 53.
Blattella germanica: 13 1.
 Bleak, Alburnus alburnus
Blidingia minima: 14 25.
Blissus leucopterus listus: 13 22.
 Blueberry
 Common, Vaccinium pallidum
 Lowbush, Vaccinium angustifolium
 Bluefish, Pomatomus saltatrix
 Bluegill, Lepomis macrochirus
 Bluestem, Little, Andropogon scoparius
 Bobcat, Lynx rufus
 Bobwhite, common, Colinus virginianus
Boleophthalmus dussumieri: 5 36; 6 20, 31.
 Boll weevil, Anthonomus grandis
 Bollworm, Lepidoptera
Bombyx mori: 12 11.
Bonasa umbellus: 14 37; 15 32.
 Booby
 Brown, Sula leucogaster
 Red-footed, Sula sula
Bos bovis: 2 13; 3 24; 6 40, 41; 7 54; 8 1; 12 2, 33, 62; 14 43, 53; 15 32.
Bos sp.: 1 33; 3 15, 24; 4 8, 18, 19; 5 1, 26, 28, 29, 39, 41, 44; 6 4, 41; 7 54; 8 13; 12 11, 12, 62, 63, 72, 73; 13 12, 16; 14 3, 12, 14, 48, 53, 57, 88, 89, 99, 103, 104; 15 64.

Bosmina longirostris: 12 45.
Bouteloua dactyloides: 5 21.
Brachionus plicatilis: 7 46.
Brachydanio rerio: 5 30; 10 58; 14 60.
Brachythecium rivulare: 14 24.
Branchiostoma caribaeum: 15 45.
Brant, Branta bernicla
Brant, Atlantic, Branta bernicla hrota
Branta bernicla: 9 1.
Branta bernicla hrota: 14 51.
Branta canadensis: 3 1; 7 17; 9 1; 13 13; 14 2, 51.
Brassica oleracea acephala: 11 35.
Brassica oleracea botrytis: 4 1; 11 35.
Brassica oleracea capitata: 9 5; 11 35.
Brassica oleracea gemmifera: 11 35.
Brassica oleracea italica: 4 1.
Brassica rapa: 7 29.
Brevoortia tyrannus: 15 45.
Brittle star, Ophioderma brevispina
Broccoli, Brassica oleracea italica
Bromus inermis: 7 11.
Bromus spp.: 14 25.
Broomweed, Gutierrezia, Haplopappus
Brugia pahangi: 12 12.
Bruguiera caryophylloides: 15 28.
Brussels sprout, Brassica oleracea gemmifera
Bubalus sp.: 5 1; 14 3.
Bubo bubo: 10 33, 41.
Bubo sp.: 10 41.
Bubo virginianus: 1 32; 7 17.
Bubulcus ibis: 1 32.
Buccinum striatissimum: 12 27, 35.
Budworm, western spruce, Choristoneura occidentalis
Buffalo, Indian, Bubalus sp.
Bufo bufo: 10 30.
Bufo sp.: 8 10.
Bufo terrestris: 8 8.
Bug
Chinch, Blissus leucopterus listus
Lygus, Lygaeidae
Sow, Asellus, Porcellio
Bulinus spp.: 15 16.
Bullfrog, Rana catesbeiana
Bullhead
Black, Ictalurus melas
Brown, Ictalurus nebulosus
Bunting, lark, Calamospiza melanocorys
Bursaphelenchus xylophilus: 9 25, 28.

Buteo jamaicensis: 10 54.
Buteo lineatus: 3 1, 17.
Buteo sp.: 10 41.
Butorides striatus: 1 32; 4 7; 7 17; 14 40.
Butorides virescens: 5 20.
 Butterfly, large white, Pieris brassicae
 Buzzard, honey, Pernis apivorus

Cabbage, Brassica oleracea capitata
Caddisfly, Triaenodus tardus
Calamospiza melanocorys: 9 29.
Calcarius ornatus: 9 29.
Calidris canutus: 14 37.
Callinectes sapidus: 1 8; 4 10; 5 33; 6 22; 12 28; 13 19, 21.
Callipepla californica: 4 12; 12 56, 57.
Callithrix jacchus: 9 1, 13; 12 73; 15 56.
Callorhinus ursinus: 2 10; 10 43.
Calluna vulgaris: 12 22.
Cambarus latimanus: 2 21.
Cambarus sp.: 14 29.
Campanularia flexuosa: 15 44.
Cancer anthonyi: 10 20.
Cancer irroratus: 2 6; 6 10, 34; 11 27.
Cancer magister: 3 10, 11; 5 33; 6 35; 10 48; 11 38; 12 28, 50; 14 67.
Canis familiaris: 3 13; 9 8, 14, 16, 26; 10 55; 12 4, 11, 63; 13 16; 14 iii, 44, 55, 87, 90, 99; 15 1, 4, 53, 60, 61, 64, 68.
Canis latrans: 2 13; 6 15.
Canis sp.: 1 6, 7, 10; 3 16; 4 8, 18; 5 5, 26; 6 19, 27, 39; 7 iv, 58, 60; 8 1, 25; 9 13, 24; 10 12; 12 73.
Canvasback, Aythya valisineria
Capitella capitata: 6 22, 36; 10 48.
Capra hircus: 4 12; 13 14.
Capra sp.: 1 3; 4 8; 8 1, 12; 12 11, 63; 14 90, 99.
Capreolus capreolus: 10 35.
Carassius auratus: 1 8, 13; 4 9, 14, 15; 5 32, 35; 6 21, 32; 7 12; 9 10; 10 61; 12 47, 53, 81; 14 64; 15 46.
Carassius carassius grandoculis: 15 44.
Carcharhinus longimanus: 12 30.
Carcharhinus spp.: 10 29.
Carcinus maenus: 15 45.
Caretta caretta: 1 24; 7 15, 32; 10 30.
Caribou, Rangifer tarandus
Carnation, Dianthus sp.
Carp
 Common, Cyprinus carpio
 Indian, Saccobranchus fossilis
 Round Crucian, Carassius carassius grandoculis
Carpocapsa pomonella: 12 6.

Carpodacus mexicanus: 3 12.
 Carrot, Daucus sp.
Cassia spp.: 4 19; 14 25, 56.
Castilleja spp.: 5 6, 21.
Castor canadensis: 5 23; 10 36, 43; 15 32.
 Cat, domestic, Felis domesticus
 Caterpillar
 Eastern tent, Malacosoma americanum
 Gypsy, Porthetria dispar
 Saltmarsh, Estigmene acrea, Estigmene sp.
 Catfish
 Air-breathing, Clarius batrachus
 African, Mystus vittatus
 Blue, Ictalurus furcatus
 Channel, Ictalurus punctatus
 Sea, Arius felis
 Various, Cnidogobius, Ictalurus
Catharacta skua: 5 15.
Catharacta spp.: 10 41.
Catostomus commersoni: 5 32; 6 26; 8 11; 11 33; 12 23; 14 63.
 Cattle, Bos sp.
 Cauliflower, Brassica oleracea botrytis
Cavia cobaya: 2 iii, 19; 3 13; 6 18, 27, 39; 9 14; 14 90.
Cavia porcellus: 13 14.
Cavia sp.: 3 16; 8 24, 25, 26; 11 1; 12 63; 14 14; 15 8, 52, 55, 57-59, 61, 64, 68.
 Celery, Apium graveolans
 Centipede, Lithobius variegatus
Centropristis striata: 12 30.
Ceratophyllum demersum: 12 22.
Ceratophyllum sp.: 8 19.
Ceratopogonidae: 2 28.
Cervidae: 4 18; 5 26.
Cervus canadensis: 6 15, 17.
Cervus sp.: 2 13.
Ceryle alcyon: 7 17.
Champia parvula: 12 49, 53.
Channa punctatus: 3 21; 6 31; 9 10; 10 59.
Chaoborus punctipennis: 7 45.
Chaoborus sp.: 1 8; 4 9.
 Chard, Swiss, Beta vulgaris cicla
Chelon labrosus: 12 51.
Chelonia mydas: 1 24; 7 15, 32.
Chelydra serpentina: 7 10, 15, 27, 31, 32.
 Cherry
 Black, Prunus serotina
 Red, Prunus avium
 Chicken

Attwater's greater prairie, Tympanuchus cupido attwateri
 Domestic, Gallus gallus, Gallus sp.
 Prairie, Tympanuchus cupido
Chilomonas paramacium: 6 30.
Chinocetes bairdii: 12 28.
 Chipmunk, Eutamias townsendii
 Chironomid, Chironomus, Glyptotendipes
Chironomidae: 2 28; 13 19, 20.
Chironomus plumosus: 4 11, 15; 7 11, 29.
Chironomus tentans: 6 30.
Chlamydomonas reinhardi: 6 30; 14 58.
Chlamydomonas spp.: 6 33.
Chlamys ferrei nipponensis: 10 13.
Chlorella pyrenoidosa: 9 19.
Chlorella vulgaris: 2 27, 28; 6 30; 11 26, 54; 15 38.
 Chlorophyte, Hydrodictyon, Oedogonium
Choerodon azurio: 10 14.
Chondrus crispus: 12 23, 26.
Choristoneura occidentalis: 12 42, 44.
Chroomonas sp.: 12 21.
Chrysanthemum, Chrysanthemum
Chrysanthemum sp.: 5 5.
Chrysemys scripta: 1 21.
Chrysopa carnea: 10 25.
 Chukar, Alectoris chukar
Cichlasoma facetum: 7 45.
 Cichlid, Cichlasoma facetum
Cipangopoludina malleata: 9 20.
Citharichthys stigmaeus: 6 23, 37; 15 45.
Citrus tachibana: 10 21.
Claassenia sp.: 4 9; 13 7.
 Cladoceran, Bosmina, Daphnia, Simocephalus
Cladophora sp.: 14 25.
 Clam
 Asiatic, Corbicula fluminea
 Bentnose, Pitar morrhuana
 Giant, Tridacna maxima
 Hardshell or Quahog, Mercenaria mercenaria
 Softshell, Mya arenaria
 Various, Donax, Glebulula, Hormomya, Macoma, Rangia, Scrobicula, Tapes
 Clams: 2 11; 6 5, 33; 7 8, 27, 47.
Clarias batrachus: 3 21.
Clethrionomys glareolus: 14 44.
Clinocardium nuttali: 3 10.
 Clover, Trifolium sp.
Clupea harengus pallasii: 15 31.
Cnemidophorus sexlineatus: 8 8.
Cnidoglanis macrocephalus: 12 56.

Cockle, Clinocardium nuttali

Cockroach, German, Blattella germanica

Cod

Atlantic, Gadus morhua

Tom, Microgadus tomcod

Coleoptera: 1, 21; 3 26; 4 19; 6 42; 8 8; 12 42; 13 18, 14 29, 57.

Colinus virginianus: 1 7, 9, 16, 18, 21; 3 12, 24; 4 8, 12, 17, 18; 7 17, 40,
52; 8 23; 9 iv, 14, 23, 50, 51; 12 56, 58; 13 12, 14, 15; 14 77.

Collembola: 3 17, 26.

Columba livia: 2 24; 3 12; 7 54; 10 51, 53, 63; 13 13; 14 37, 78, 82.

Columba sp.: 15 50.

Colymbus (= Gavia) arcticus (= arctica): 7 22.

Comandra spp.: 5 6, 21.

Condor

Andean, Vultur gryphus

California, Gymnogyps californianus

Coontail, Ceratophyllum demersum

Coot, American, Fulica americana

Copepod, Acartia, Eurytemora, Nitroca, Tisbe

Coral, Diploria, Montastrea

Corals: 14 3.

Corbicula fluminea: 5 16.

Corbicula manilensis: 3 22.

Coregonus clupeaformis: 15 31.

Coregonus spp.: 14 32, 50.

Cormorant

Double-crested, Phalacrocorax auritus

Various, Phalacrocorax spp.

Corn, Zea mays

Corophium volutator: 12 50.

Cortinarius spp.: 10 21.

Corvidae: 10 12, 63.

Corvus brachyrhynchos: 13 13.

Corvus monedula: 10 54.

Cotton, Gossypium hirsutum

Cottontail, eastern, Sylvilagus floridanus

Coturnix coturnix: 1 6, 9; 9 14; 10 50, 51-53; 12 56; 14 86.

Coturnix japonica: 1 6, 7; 2 24; 3 11, 12, 14, 22; 4 8; 5 26, 27, 29; 7 40,
52, 53; 9 iii, 9; 10 51, 52, 62; 13 13, 15; 14 78; 15 8, 50-52.

Coturnix risoria: 13 15.

Cow, Bos bovis

Cowbird, brown-headed, Molothrus ater

Cowpea, Vigna sp.

Coyote, Canis latrans

Crab

Alaskan king, Paralithodes camtschatica

Alaskan snow, Chionocetes bairdii

Blue, Callinectes sapidus

Drift-line, Sesarma cinereum
 Dungeness, Cancer magister
 Fiddler, Uca pugilator
 Hermit, Pagurus longicarpus
 Mud, Rithropanopeus harrissii
 Rock, Cancer irroratus
 Stone, Menippe mercenaria
 Various, Carcinus, Neptunus, Podophthalmus
 Crabs: 3 8; 5 27; 6 5, 35; 7 28; 12 29, 81; 15 11, 35.
 Crane
 Lesser sandhill, Grus canadensis canadensis
 Sandhill, Grus canadensis
 Crangon crangon: 2 16; 12 29; 14 66, 67; 15 44.
 Crappie, white, Pomoxis annularis
 Crassostrea commercialis: 2 4.
 Crassostrea gigas: 2 4; 5 33; 6 33; 10 13; 12 50; 15 27, 29, 34, 41.
 Crassostrea spp. 12 27; 14 71.
 Crassostrea virginica: 2 27, 28; 4 10, 14-16; 5 11; 6 24, 33; 7 44, 45; 10,
 47; 11 27, 32, 36, 40, 42, 48; 12 27, 51, 54; 14 65; 15 11, 29, 44.
 Crataegus spp.: 14 28.
 Crawfish, Cambarus sp.
 Crayfish, Astacus, Orconectes, Pacifastacus, Procambarus
 Crayfishes: 3 1; 10 43, 64; 11 33.
 Crepidula forficata: 10 48, 58, 59.
 Cricetus spp.: 2 31; 3 25; 6 27, 39; 8 24-26; 9 25; 11 1, 55; 12 10, 12,
 35, 37-39, 64; 13 12; 15 56.
 Cricket, Gryllidae
 Cristigera sp.: 14 67.
 Croaker, Atlantic, Micropogonias undulatus
 Crocodile, American, Crocodylus acutus
 Crocodylus acutus: 1 24; 10 30; 12 32.
 Crocothemis erythraea: 13 7.
 Crow, American, Corvus brachyrhynchos
 Ctenocephalides spp.: 13 6.
 Culex pipiens quinquefasciatus: 11 42.
 Culex spp.: 3 22; 5 31; 7 45, 47; 13 17, 24.
 Cunninghamella elegans: 11 34.
 Cutworm, Lepidoptera
 Cygnus buccinator: 14 2, 51.
 Cygnus columbianus: 14 51.
 Cygnus olor: 14 2, 37, 51.
 Cynodon dactylon: 12 40.
 Cynoscion nebulosus: 4 6.
 Cyprinodon variegatus: 3 8, 10, 11, 21; 4 10, 11, 16; 5 34; 7 39, 48, 50, 51,
 57; 9 11, 19, 21, 22; 11 38; 13 9, 10; 15 6, 42, 43, 48.
 Cyprinus carpio: 4 9; 5 17, 32, 35-37; 7 14, 33; 8 8, 9, 12; 12 24; 14 33; 15
 39.

Dab, Limanda limanda
Damselflies, Odonata
Daphnia galeata mendotae: 2 21.
Daphnia longispina: 15 46, 47.
Daphnia magna: 2 17, 21, 27; 4 9, 11, 14, 15; 5 31; 6 20, 23, 26, 30; 7 37, 44, 45, 51; 8 19; 9 10, 19; 10 46, 49; 11 40-42; 12 45; 13 6, 7; 14 12, 13, 58, 59, 71; 15 35, 38, 44, 47.
Daphnia pulex: 2 21; 4 9; 5 31; 9 10; 11 40-44; 12 46.
Daphnia sp.: 1 4, 8, 12; 3 22; 4 7; 5 36; 6 25; 14 72.
Daphnids, 11 45, 48; 14 57.
Daucus sp.: 9 5; 14 56.
Deer
 Mule, Odocoileus hemionus
 Roe, Capreolus capreolus
 Various, Cervidae
 White-tailed, Odocoileus virginianus
Dendrocygna bicolor: 3 11, 12; 4 12; 10 51.
Dianthus sp.: 5 5.
Dicranum scoparium: 10 21.
Digitaria sanguinalis: 12 6.
Diomedea immutabilis: 14 3.
Diplopoda, Millipedes
Diplodus sargus: 10 26.
Diploria strigosa: 7 47.
Dog, Canis familiaris, Canis sp.
Dogfish
 Smooth, Mustelus canis
 Spiny, Squalus acanthias
Dolphin, striped, Stenella coeruleoalba
Donax venustus: 10 24.
Dorosoma cepedianum: 4 6, 7.
Dorosoma petenense: 4 7; 5 18.
Dove
 Mourning, Zenaida macroura
 Ringed turtle-, Streptopelia risoria
 Ring-necked, Streptopelia capicola
 Rock, Columba livia
Drosophila melanogaster: 10 68.
Drum, freshwater, Aplodinotus grunniens
Duck
 American black, Anas rubripes
 American wood, Aix sponsa
 Fulvous whistling, Dendrocygna bicolor
 Tufted, Aythya fuligula
 Mottled, Anas fulvigula
 Various, Anas spp.
Duckweed, Lemna media, Lemna minor
Dugesia dorotocephala: 10 49, 58.

Dunaliella marina: 12 55.
Dunaliella tertiolecta: 14 65.

Eagle

Bald, Haliaeetus leucocephalus
White-tailed sea-, Haliaeetus albicilla

Earthworm

Australian, Lumbricus sp.

Various, Allolabophora, Eisenia, Eisenoides, Lumbricus, Octochaetus

Earthworms: 3 1, 8, 17, 18; 5 6, 22, 27, 38; 6 5, 14, 25; 8 12; 12 44; 14 22, 29, 48, 57.

Echinodermata: 6 36; 10 59; 15 37.

Echinus esculentus: 2 7.

Ecklonia radiata: 12 35.

Eel, American, Anguilla rostrata

Eels, Anguilla

Egret, cattle, Bubulcus ibis

Eichornia crassipes: 10 21.

Eider, common, Somateria mollissima

Eisenia foetida: 3 18; 6 14; 10 57, 68.

Eisenia rosea: 14 29.

Eisenoides carolinensis: 14 29.

Egregia laevigata: 14 71.

Elasmopus pecteniscus: 11 38.

Elk, Cervus canadensis (= elaphus), Cervus sp.

Elm, Ulmus americana

Elodea canadensis: 3 22; 14 70.

Elodea sp.: 3 21; 8 19.

Engraulidae: 14 34.

Enhydra lutris: 2 10.

Enteromorpha linza: 14 25.

Enteromorpha sp.: 15 28.

Entosiphon sulcatum: 14 59.

Eopsetta grigorjewi: 12 30.

Ephemerella sp.: 2 17, 28.

Eptesicus fuscus: 7 23, 34; 14 44.

Equus caballus: 1 33; 5 1, 26, 28, 29, 44; 8 1, 26; 12 65; 14 iii, 3, 44, 48, 53, 55, 87, 90, 91, 99, 104.

Eremophila alpestris: 4 12; 9 29; 13 17, 22, 23.

Erethizon dorsatum: 2 13.

Erithacus rubecula: 7 53.

Erolia (= Calidris) spp.: 3 1, 27.

Escherichia coli: 8 17.

Esox lucius: 5 32; 6 26; 8 20, 28; 10 26, 40, 61; 11 42, 46; 12 24; 14 64.

Esox niger: 8 16.

Estigmene acrea: 3 22, 23.

Eucyclops agillii: 2 21.

Euphausiid, Meganyctiphanes norvegica

Eurytemora affinis: 11 38, 39; 12 51; 15 41.
Eutamias townsendii: 14 44.

Falco columbarius: 1 32.
Falco mexicanus: 14 78, 79.
Falco peregrinus: 1 32; 7 52; 10 33; 14 38.
Falco rusticolus: 10 33, 41.
Falco sp.: 10 41.
Falco sparverius: 1 9, 16; 7 50; 14 13, 79, 80, 103.
Falco tinnunculus: 7 17; 10 54.
Falcon

Peregrine, Falco peregrinus
Prairie, Falco mexicanus
Swedish gyr, Falco rusticolus
Felis domesticus: 3 13; 4 8; 6 27; 8 1; 10 12, 15, 36, 54, 55, 64, 65, 68,
74; 12 65; 14 91, 99; 15 61.
Fern, ostrich, Matteuccia struthiopteris
Ferret, European, Mustela putorius furo
Fescue, Festuca arundinacea
Festuca arundinacea: 6 13.
Festuca rubra: 14 25.
Finch, house, Carpodacus mexicanus
Fish, harlequin, Rasbora heteromorpha
Flagfish, Jordanella floridae
Flatworm, see Dugesia dorotocephala
Flavobacterium: 5 4.
Fleas, Ctenocephalides spp., Siphonaptera
Flounder

Baltic or European, Platichthys flesus
Roundnose, Eopsetta grigorjewi
Summer, Paralichthys dentatus
Windowpane, Scophthalmus aquosus
Winter, Pseudopleuronectes americanus
Witch, Glyptocephalus cynoglossus
Yellowtail, Limanda limanda

Fly

Crane, Tipula sp.
Damsel, Ischnura
Dragon, Crocothemis, Macromia, Pseudagrion
Fruit, Drosophila melanogaster
Horn, Haematobia irritans, Muscidae
House, Musca domestica, Musca sp.
May, Hexagenia, Siphonurus
Snipe, Atherix sp.
Stone, Claassenia, Isoperla, Pteronarcella, Pteronarcys
Formicidae: 1 20; 5 6, 38.
Fox, red, Vulpes vulpes
Fragaria vesca: 3 4.

Fratercula spp.: 2 15
Frog
 Bull, Rana catesbeiana
 Cricket, Acris sp.
 European, Rana temporaria
 Green, Rana clamitans
 Leopard, Rana sphenoccephala
 Tree, Hyla sp.
 Various, Rana, Xenopus
Frogs: 3 1, 22; 13 22.
Fruitworm, Lepidoptera
Fucus distichus: 14 26.
Fucus spp.: 11 32; 12 26.
Fucus vesiculosus: 2 4; 6 9; 12 26, 53; 14 26.
Fulica americana: 5 20, 38.
Fundulus heteroclitus: 2 28, 30, 31; 5 27; 6 23; 10 61; 13 19; 14 68; 15 45.
Fundulus kansae: 5 36.
Fundulus similis: 4 16; 11 40; 13 8.
Fungi: 5 20; 12 9; 14 24, 57; 15 10, 15.
Fungus, Cortinarius spp., Cunninghamella elegans

Gadopsis marmoratus: 10 27.
Gadus morhua: 2 8; 7 8, 12, 47; 12 31; 15 31.
Gadwall, Anas strepera
Galleria melonella: 3 17.
Gallinule, purple, Porphyryula martinica
Gallus sp.: 1 5, 9, 15, 19; 2 iii, 24, 31; 3 11, 23, 24; 4 17; 5 1, 29, 38; 6 18, 19, 27, 37; 7 36, 50, 53, 60; 8 1, 23, 28; 9, iv, 1, 6, 9, 14, 19, 23; 10 1, 51, 53, 61, 62, 74; 12 4, 6, 56, 58, 59, 61, 76, 77; 13 10, 12, 15; 14 13, 14, 80, 81, 86; 15 8, 32, 50, 51.
Gambusia affinis: 1 12; 2 28; 3 9; 5 18, 32, 36, 37; 8 21; 11 38, 42, 46; 13 9, 18; 14 34.
Gammarus duebeni: 10 49.
Gammarus fasciatus: 9 10.
Gammarus lacustris: 13 6, 7.
Gammarus oceanicus: 15 43.
Gammarus pseudolimnaeus: 7 37, 45; 10 46, 61; 11 37; 12 46, 53; 14 59.
Gammarus spp.: 1 4, 8; 4 9, 11; 6 20; 51.
Gar, spotted, Lepisosteus oculatus
Gasterosteus aculeatus: 2 17; 4 10; 14 64.
Gastrophryne carolinensis: 10 47; 12 44, 47, 81.
Gastropods: 3 24; 4 7; 5 27, 36; 6 12; 12 53, 81; 14 31.
Gavia arctica: 7 22.
Gavia immer: 5 19; 10 63; 14 38.
Gazelle, Antilopinae
Gerbil, Gerbillus sp., Meriones unguiculatus
Gerbillus sp.: 15 56.
Girella punctata: 10 14.

Glebula rotundata: 3 22, 23.
Globicephala macrorhynchus: 2 10; 5 15.
Glycine max: 2 12; 4 19; 12 39, 40, 43; 14 48, 56.
Glyptocephalus cynoglossus: 12 66.
Glyptotendipes barbipes: 7 47.
Goat, domestic, Capra hircus, Capra sp.
Goatfish, Mullus, Upeneus
Goby, edible, Boleophthalmus dussumieri
Goldenrod, Solidago graminifolia
Goldfish, Carassius auratus
Goose
 Canada, Branta canadensis
 Greylag, Anser anser
 Various, Anser spp.
Goosefish, Lophius piscatorius
Gopher, pocket, Thomomys sp.
Goshawk, Accipiter gentilis
Gossypium hirsutum: 3 19, 23; 4 iii, 1, 3, 4, 19; 12 6, 14, 39.
Grackle
 Common, Quiscalus quiscula
 Great-tailed, Quiscalus mexicanus
Grape, Vitis sp.
Grass
 Bahia, Paspalum notatum
 Blue, Poa annua
 Brome, Bromus inermis, Bromus spp.
 Buffalo, Bouteloua dactyloides
 Colonial bent-, Agrostis tenuis
 Common Bermuda, Cynodon dactylon
 Crab, Digitaria sanguinalis
 Marsh, Spartina sp.
 Johnson, Sorghum halepense
 Red fescue, Festuca rubra
 Saltmarsh, Spartina alterniflora
 Western wheat, Agropyron smithii
Grasshopper, western, Melanoplus spp.
Grasshoppers: 4 7, 19; 9 iv, 29.
Grebe
 Eared, Podiceps nigricollis
 Great crested, Podiceps cristata
 Pied-billed, Podilymbus podiceps
Grebes, Podicipediformes
Grindelia spp.: 5 6.
Grindelia squarrosa: 5 21.
Groundnut, Arachis hypogea
Grouse
 Ruffed, Bonasa umbellus
 Sharp-tailed, Tympanuchus phasianellus

Grunion, California, Leuresthes tenuis
Grus canadensis: 13 13; 14 2.
Grus canadensis canadensis: 4 12.
 Gryllidae: 1 21; 6 42.
 Gudgeon, topmouth, Pseudorasbora parva
 Gull
 California, Larus californicus
 Franklin's, Larus pipixcan
 Great black-backed, Larus marinus
 Herring, Larus argentatus
 Laughing, Larus atricilla
 Lesser black-backed, Larus fuscus
 Ring-billed, Larus delawarensis
 Gumweed, Grindelia spp., Grindelia squarrosa
 Guppy, Poecilia reticulata
Gutierrezia spp.: 5 6, 21.
Gymnogyps californianus: 14 3.

 Haddock, Melanogrammus aeglefinus
Haematobia irritans: 13 16.
Haematopus ostralegus: 5 14.
 Hagfish, Atlantic, Myxine glutinosa
 Hake
 Blue, Antimora rostrata
 Red, Urophycus chuss
Haliaeetus albicilla: 10 63.
Haliaeetus leucocephalus: 1 31; 7 17, 32, 52; 10 33, 41, 74; 14 2, 38, 51,
 74, 81, 103.
Haliaeetus sp.: 10 41.
 Halibut, Atlantic, Hippoglossus hippoglossus
Halichoeres grypus: 10 43.
Haliotis rufescens: 2 5; 6 9; 14 71.
 Hamster
 Chinese, Cricetus spp.
 Golden, Cricetus spp.
Haplopappus spp.: 5 21.
 Hardy head, small-mouthed, Atherinasoma microstoma
 Hare, Lepus europaeus
 Hawk
 Cooper's, Accipiter cooperii
 Pigeon (= Merlin), Falco columbarius
 Red-shouldered, Buteo lineatus
 Red-tailed, Buteo jamaicensis
 Hawthorn, Crataegus spp.
 Heather, Scotch, Calluna vulgaris
Helianthus spp.: 4 iv, 21.
Helisoma campanulata: 12 46.
Helisoma sp.: 8 19.

Helisoma trivolvis: 13 7.

Helix aspersa: 3 23.

Helix spp.: 14 57.

Hemicentrotus sp.: 6 37.

Hemichromus bimaculatus: 15 46.

Hemifusus spp.: 12 27, 81.

Hen, guinea, Gallus sp.

Hermione hystrix: 6 35, 36.

Heron

Black-crowned night-, Nycticorax nycticorax

Gray, Ardea cinerea

Great blue, Ardea herodias

Green-backer (= Green, Striated), Butorides striatus

Little green, Butorides virescens (= striatus)

Yellow-crowned night-, Nycticorax violaceus

Herring, Pacific, Clupea harengus pallasii

Hexagenia bilineata: 11 38.

Hexagenia sp.: 5 16; 9 19; 11 41.

Himantopus mexicanus: 5 20.

Hinnites multirugosus: 10 20.

Hippoglossus hippoglossus: 15 31.

Hirundo rustica: 14 38, 39, 52.

Hog, Sus spp.

Hogchoker, Trinectes maculatus

Holothurian, sea cucumber, Stichopus

Homarus americanus: 2 7, 29; 10 24; 11 27, 31, 32; 12 29, 35; 14 67; 15 29,

44.

Homo sapiens: 1 iii, 1, 18, 27, 30, 33; 2 1, 16, 26, 27, 31-34; 3 iii, 3, 15, 16, 25, 27; 4 iii, iv, 4, 13, 14, 18, 20, 21; 5 iv, 1, 2, 5-7, 26, 27, 40-44; 6 iii, 1, 14, 18, 27, 38, 41, 46; 7 iii, 1, 5, 33, 54, 55, 57-59, 61; 8 iii, 1-3, 16, 24, 28; 9 iii, 1, 18; 10 iii, 1, 2, 4, 10-12, 17, 40, 44, 54, 56, 62-65, 67-69, 72, 74; 11 iv, 1, 2, 9, 10, 12, 25, 40, 50, 51, 58-60, 62, 63; 12 iii, iv, 1-5, 12, 14, 20, 35, 37, 38, 61, 65, 72-74, 77, 81; 13 1, 24; 14 iii, 1, 2, 5, 7, 11-14, 86, 104-108 108; 15 1-4, 12, 34, 56, 63, 65, 66, 68, 69.

Honeybee, Apis mellifera, Apis spp.

Hordeum vulgare: 12 39.

Hormomya mutabilis: 10 13.

Hornworm, tobacco, Manduca sexta

Horse, Equus caballus

Hyacinth, water, Eichornia crassipes

Hyalella azteca: 5 31; 11 45.

Hydra, Hydra oligactis, Hydra sp.

Hydra oligactis: 7 37.

Hydra sp.: 1 8.

Hydrodictyon reticulatum: 6 30.

Hydroid, Campanularia

Hyla sp.: 10 47.

Hymenomonas carterae: 12 54.
Hypnum cupressiforme: 11 25, 26; 14 24.
Hypogymnia physodes: 10 21.

Ibis, white-faced, Plegadis chihi

Ictalurus furcatus: 4 6, 7.

Ictalurus melas: 4 9.

Ictalurus nebulosus: 7 12; 8 10, 11, 16; 11 23, 31, 47, 49.

Ictalurus punctatus: 1 7, 8; 2 20; 3 9; 4 4, 6, 9, 11, 14, 15, 16; 5 18, 32, 35; 6 26; 7 38; 8 9, 11, 12, 22; 10 28, 46; 12 25, 47; 13 9; 14 63; 15 45.

Ictalurus spp.: 8 16.

Indoplanorbis exustus: 9 20.

Ipomoea batatas: 9 1.

Ischnura sp.: 2 28.

Ischnura verticalis: 7 37.

Isoperla sp.: 10 23.

Isopod, Asellus sp.

Isurus oxyrinchus: 12 31.

Jackdaw, Corvus monedula

Jewelfish, Hemichromis bimaculatus

Jordanella floridae: 5 32; 9 10, 22; 12 47, 55.

Kale, Brassica oleracea acephala

Kelletia kelletia: 10 20.

Kelp

Brown, Ecklonia radiata

Giant, Macrocystis pyrifera

Kestrel, Falco tinnunculus

Kestrel, American, Falco sparverius

Killifish

Diamond, Adinia xenica

Freshwater, Fundulus kansae

Longnose, Fundulus similis

Kingfisher, belted, Ceryle alcyon

Kittiwake, black-legged, Rissa tridactyla

Klebsiella pneumoniae: 12 73.

Knifejaw, striped, Oplegnathus fasciatus

Knot, red, Calidris canutus

Knotted wrack, Ascophyllum nodosum

Lacewing, common green, Chrysopa carnea

Lactuca sativa: 11 25, 26, 35; 14 26, 57.

Lactuca spp.: 2 12; 4 1.

Lagarosiphon major: 12 69.

Lagodon rhomboides: 1 7, 12; 4 10; 5 34; 7 39, 46.

Lagopus lagopus: 10 41; 14 81, 82.

Lagopus mutus: 10 41; 14 100.
Laminaria digitata: 12 26.
Laminaria hyperborea: 12 27.
Lamprey, Petromyzontidae
Lanistes carinatus: 13 7.
Lanternfishes, Myctophidae
Laomedea loveni: 2 23.
Lark
 Horned, Eremophila alpestris
 Southern meadow, Sturnella magna argutula
 Western meadow, Sturnella neglecta
Larus argentatus: 1 26-29, 32; 4 6; 5 15; 7 19; 8 1, 8, 13, 16, 23; 10 34.
Larus atricilla: 2 9; 4 6.
Larus californicus: 10 34.
Larus delawarensis: 4 6; 7 33, 36.
Larus fuscus: 6 14.
Larus marinus: 1 32.
Larus pipixcan: 4 6.
Lecanora conizaeoides: 14 48.
Ledum sp.: 10 21.
Leeches: 3 1; 5 6, 37; 9 19.
Leek, Allium porrum
Leiostomus xanthurus: 4 15; 7 39, 46.
Lemna media: 15 46.
Lemna minor: 6 30.
Lepidoptera: 3 26; 4 1, 19; 14 30.
Lepisosteus oculatus: 4 7.
Lepomis cyaneus: 3 9; 4 9; 5 18, 30, 35; 12 25, 55; 13 20.
Lepomis gibbosus: 6 12; 7 12; 10 28.
Lepomis macrochirus: 1 8, 12, 13; 2 31; 3 9; 4 7, 9; 5 17, 32, 37; 6 21, 26, 31, 41; 7 37; 9 8, 10; 11 37, 40-43, 45; 12 25, 47, 53, 55, 75; 13 8, 18, 20; 14 33, 63; 15 45.
Lepomis megalotis: 14 33.
Lepomis microlophus: 4 9.
Lepomis punctatus: 8 8.
Leptinotarsa decemlineata: 12 5.
Leptonychotes weddelli: 7 34.
Lepus europaeus: 7 24; 14 82.
Lepus sp.: 1 6; 3 15; 4 8; 5 28; 6 27, 38, 39; 7 42, 54, 55; 8 1, 12, 13, 24-26; 9 13, 16; 10 64; 11 1, 12; 12 72, 73; 14 91; 15 58, 59, 61.
Lettuce, Lactuca sativa, Lactuca spp.
Leuciscus idus melanotus: 15 40, 46.
Leucospius delineatus: 2 27.
Leuresthes tenuis: 13 6, 8, 11.
Lichen, Hypogymnia, Lecanora, Parmelia
Lily, water, Nuphar luteum
Limanda limanda: 2 8; 12 52; 15 38.
Limanda sp.: 12 35.

Limnodrilus hoffmeisteri: 3 10; 15 27.
Limnodrilus sp.: 11 45.
 Limpet,
 Slipper, Crepidula fornicata
 Various, Acmaea, Littorina, Patella
 Limpkin, Aramus guarauna
Lithobius variegatus: 14 57.
Littorina littorea: 2 5; 6 10; 12 28.
Loach, Misgurnis fossilis
 Lobster
 American, Homarus americanus
 Spiny, Nephrops, Panulirus
 Western rock, Panulirus cygnus
 Lobsters: 6 35; 11 32; 12 29, 81.
 Locoweed, Astragalus spp.
Loligo vulgaris: 12 28.
Lolium perenne: 7 11.
 Longspur, chestnut-collared, Calcarius ornatus
 Loon
 Arctic, Gavia arctica
 Common, Gavia immer
Lophius piscatorius: 6 37.
Lophodytes cucullatus: 7 19.
 Louse, wood, Oniscus, Porcellio
 Lugworm, Arenicola cristata
Lumbricus herculeus: 3 18.
Lumbricus rubellus: 8 17.
Lumbricus sp.: 3 18.
Lumbricus terrestris: 3 18; 14 30.
Lutjanus griseus: 11 43.
Lutra canadensis: 5 23; 7 10, 24, 33, 34; 10 36, 43, 54, 55, 64.
Lycopersicon esculentum: 4 1; 10 25; 11 35.
Lygaeidae: 4 1.
Lymnaea palustris: 14 59.
Lymnaea peregra: 14 72.
Lymnaea stagnalis: 15 39.
Lymnaea sp.: 15 45.
Lynx rufus: 10 36.
Lysmata caudata: 5 37.
Lysmata seticaudata: 5 13; 12 54, 55.

Macaca fascicularis: 14 94; 15 56.
Macaca iris: 14 94.
Macaca mulatta: 1 17; 3 8, 15; 7 iv, 54, 55, 58, 60; 8 25, 26; 10 54, 55, 65;
 14 95.
Macaca sp.: 3 16; 10 66; 12 66.
Machaeranthera spp.: 5 6.
Macoma balthica: 12 51; 14 86.

Macoma nasuta: 3 10.
Macrobrachium lamarrei: 6 20, 30.
Macrobrachium rosenbergerii: 1 4.
Macrocystis pyrifera: 6 33.
Macromia sp.: 7 37.
Macrosiphium gei: 10 25.
 Magpie, black-billed, Pica pica
Makaira indica: 2 8; 5 14; 10 28.
Makaira nigricans: 5 14; 10 28.
Malacosoma americanum: 14 30, 48.
 Mallard, Anas platyrhynchos
Malus malus: 5 5; 12 6; 15 65, 69.
Malus sylvestris: 12 22.
 Man, Human, Child, Infant, Homo sapiens
 Manatee, Tricheschus manatus
Manduca sexta: 9 25.
 Mangrove, Bruguiera, Rhizophora
 Maple, red, Acer rubrum
 Marlin
 Black, Makaira indica
 Blue, Makaira nigricans
 Marmoset, Callithrix jacchus
Marmota monax: 5 23; 15 32.
 Marten, Martes martes
Martes martes: 10 64.
Mastotermes darwinensis: 1 20, 33.
Matteuccia struthiopteris: 7 44.
 Meadowlark, Sturnella spp.
 Medaka, Oryzias latipes
Medicago sativa: 3 iii, 1, 23, 27, 28; 4 1, 18; 9 1; 10 21; 12 22, 39.
Meganyctiphanes norvegica: 5 12, 37.
Melanogrammus aeglefinus: 5 34; 10 48.
Melanoplus spp.: 12 56.
Meleagris gallopavo: 4 7; 9 iii, 8, 14; 12 4, 56, 59, 76, 77; 13 10, 12, 15;
 14 2; 15 8.
 Menhaden, Atlantic, Brevoortia tyrannus
Menidia beryllina: 13 8, 11.
Menidia menidia: 5 34; 6 22; 13 8, 11.
Menidia peninsula: 13 8, 11.
Menippe mercenaria: 12 29.
Mercenaria mercenaria: 4 10; 6 10, 33; 10 47; 11 40; 12 28.
 Merganser
 Common, Mergus merganser
 Hooded, Lophodytes cucullatus
 Red-breasted, Mergus serrator
Mergus merganser: 7 19.
Mergus serrator: 5 20; 7 19.
Mergus spp.: 7 22.

Meriones unguiculatus: 12 12.
Merlin, Falco columbarius
Metamysidopsis elongata: 15 44.
Mice
 Deer, Peromyscus maniculatus
 White-footed, Peromyscus leucopus
Microcystis aeruginosa: 14 58.
Microgadus tomcod: 11 47.
Micropogonias undulatus: 6 37.
Micropterus dolomieu: 8 11; 12 25; 14 33, 64.
Micropterus ochrogaster, see Microtus ochrogaster
Micropterus salmoides: 4 7, 9, 15; 5 17, 37; 6 41; 7 12; 10 28, 46; 11 45; 12 25; 13 20.
Microtus agrestis: 5 6, 23.
Microtus arvalis: 8 12, 16.
Microtus ochrogaster: 1 5, 7, 11, 18, 30, 33; 14 44.
Microtus pennsylvanicus: 2 13; 14 47.
Midge, Chaoborus, Chironomus, Tanytarsus
Midge, phantom, Chaoborus puntipennis
Milkvetch, Astragalus spp.
Millipedes: 3 26; 14 30, 48.
Mimus polyglottos: 12 56.
Mink, Mustela vison
Minnow,
 Cyprinid, Phoxinus, Puntius
 Eastern mud, Umbra pygmaea
 Fathead, Pimephales promelas
 Mud, Umbra limi
 Sheepshead, Cyprinodon variegatus
 Various, Poeciliopsis
Misgurnis fossilis: 15 39.
Mite
 European red, Panonychus ulmi
 McDaniel spider, Tetranychus mcdanieli
 Two-spotted spider, Tetranychus urticae
 Various, Arachnids
Mockingbird, northern, Mimus polyglottos
Mole, Talpa europaea
Molothrus ater: 3 12; 7 36, 40; 10 54; 12 56, 59.
Monkey
 Cynomolgus, Macaca spp.
 Rhesus, Macaca mulatta
 Squirrel, Saimiri spp.
Monkeys: 4 18; 5 26; 7 55; 8 24, 28, 29; 9 iii, 27; 11 1; 14 iii, 3, 87, 99, 108; 15 4, 61.
Montastrea annularis: 14 31.
Moose, Alces alces
Morone saxatilis: 2 8, 17, 23; 4 10; 5 14; 6 21; 7 13, 31, 47, 60; 10 28, 40,

59; 12 26, 31; 13 6, 7.
 Mosquito, Aedes, Culex,
 Mosquitofish, Gambusia affinis
 Moss
 Irish, Chondrus crispus
 Various, Brachythecium, Hylocomium, Hypnum, Sphagnum
 Moth
 Codling, Carpocapsa pomonella
 Greater wax, Galleria melonella
 Pineapple gummosis, see Lepidoptera
 Mouse
 Beach, or Old field, Peromyscus polionotus
 Field, Microtus arvalis
 Domestic, Mus spp.
 Western jumping, Zapus princeps
 Wood, Apodemus sylvaticus
Moxostoma duquesnei: 14 33.
Mudalia potosensis: 11 38.
Mugil cephalus: 1 15; 4 6; 12 31; 13 8.
 Mullet
 Gray, Chelon labrosus
 Striped, Mugil cephalus
 Yellow-eye, Aldrichetta forsteri
Mullus barbatus: 15 27.
 Mummichog, Fundulus heteroclitus
 Murre, common, Uria aagle
 Murrel, Channa punctatus
Mus spp.: 1 4, 6, 7, 10; 2 24, 26, 31; 3 11, 13, 24, 25; 4 8, 18; 5 39; 6 27,
 38, 39, 44; 7 41, 49, 55; 8 24-27.; 9 iv, 8, 13, 16, 18, 24-26; 10 67;
 11 1, 51-56, 62, 63; 12 12, 36, 38, 66, 73; 14 iii, 12, 53, 55, 87, 92,
 99, 104; 15 4, 8, 10, 52-55, 57, 59-61, 64, 65.
Musca domestica: 3 17, 18; 9 13.
Musca sp.: 3 23.
Muscidae: 1 21; 9 iii, 1, 3; 13 1.
 Muskrat, Ondatra zibethicus
 Mussel
 Common, Mytilus edulis
 Duck, Anodonta anatina
 Various, M. californianus, M. edulis planulatus, M. galloprovincialis
 Mussels: 5 16; 6 88; 10 61; 11 25, 28; 12 53; 15 20, 37.
Mustela putorius furo: 7 41, 43, 54; 10 64; 14 99.
Mustela vison: 7 iv, 10, 24, 33, 41-43, 53, 54, 58, 60, 61; 10 37, 43,
 54-56, 64, 66, 74.
Mustelus antarcticus: 12 35.
Mustelus canis: 6 11.
Mya arenaria: 6 33, 34; 10 25, 47; 11 27, 29, 32; 14 52, 66; 15 45.
Myctophidae: 14 100.
Myotis grisescens: 7 24.

Myotis lucifugus: 7 25, 34; 14 44, 53.
Myotis spp.: 14 44.
Myoxocephalus scorpius: 2 9.
Myriophyllum spicatum: 6 30.
Mysidopsis bahia: 4 10, 15; 5 33; 6 26; 9 11, 22; 10 48, 59; 12 51; 13 6, 7; 14 66; 15 45.
Mysidopsis spp. 2 16, 23; 7 27.
Mysis relicata: 7 11, 29.
Mystus vittatus: 3 9, 20, 21.
Mytilus californianus: 10 25, 43; 11 48.
Mytilus edulis: 2 5; 3 10; 5 12; 6 10, 34; 10 25, 48; 11 28, 32, 45; 12 28, 51; 14 31, 65, 66; 15 30, 41, 42, 48.
Mytilus edulis planulatus: 2 5.
Mytilus galloprovincialis: 5 12, 30, 37; 12 53.
Myxine glutinosa: 11 47.

Nais sp.: 6 23.
Najus guadalupensis: 14 71.
Nassarius obsoletus: 12 51; 15 45, 49.
Natrix sp.: 5 17.
Navicula sp.: 14 70.
Neanthes arenaceodentata: 6 22, 24, 26, 36; 11 37-39, 43; 14 66.
Nematode, Brugia, Bursaphelenchus, Panagrellus, Parafilaria
Nematodes: 9 iii, 1; 15 15.
Nephrops norvegicus: 10 24.
Nephtys hombergi: 2 7.
Neptunus pelagicus: 10 13.
Nereis diversicolor: 2 7; 6 10.
Nereis virens: 5 36; 6 22; 7 47; 11 45.
Neritina sp.: 15 45.
Nerodia cyclopion: 7 15.
Nerodia rhombifera: 7 17.
Nerodia sipedon: 14 35.
Nerodia spp.: 7 31.
Nicotiana tabacum: 2 12; 3 4, 23; 5 22; 6 13, 42; 10 22; 12 6.
Nicrophorus tomentosus: 14 31.
Nitroca spinipes: 15 44, 47.
Nitzschia liebethrutti: 15 48.
Nostoc muscorum: 3 18.
Notopterus notopterus: 10 46, 59.
Notropis hudsonius: 8 11; 12 48.
Notropis venustus: 4 7.
Nucella lapillus: 15 49.
Nucellus lapillus: 15 30, 40.
Nuphar luteum: 2 10.
Nycticorax nycticorax: 1 32; 7 19, 32, 52; 8 1.
Nycticorax violaceus: 4 7.

Oak, Quercus spp.
 Oat, Avena sativa
Oceanodroma furcata: 1 32.
Octochaetus pattoni: 10 57, 68.
Octopus, Paroctopus sp.
Odobenus rosmarus: 2 10.
Odocoileus hemionus: 4 12; 10 54, 56, 64; 12 68, 72; 14 53, 104.
Odocoileus virginianus: 2 14; 5 23; 12 34, 68; 14 45, 53; 15 32.
Odonata: 9 19.
Oedogonium cardiacum: 3 22; 5 31; 8 19; 11 42.
Oedogonium sp.: 6 30.
 Okra, Abelmoschus esculentus
Oligochaetes: 7 29; 15 27, 48.
Olisthodiscus luteus: 6 32.
Ommastrephes bartrami: 2 5.
Oncorhynchus gorbuscha: 11 38; 12 52.
Oncorhynchus keta: 12 49.
Oncorhynchus kisutch: 1 7, 8, 27, 29; 2 18; 3 9; 4 9; 5 18, 32; 6 31; 7 14, 30, 31, 49; 8 11, 12, 18, 21; 11 38; 12 26; 14 69.
Oncorhynchus spp.: 6 21, 23, 25.
Oncorhynchus tshawytscha: 1 27; 2 17; 5 18; 6 31; 7 30, 61; 15 34.
Ondatra zibethicus: 10 37, 43; 14 45; 15 32.
 Onion, Allium sp.
Oniscus asellus: 14 57.
Oonopsis spp.: 5 6.
Ophioderma brevispina: 15 42.
Oplegnathus fasciatus: 9 8, 11.
Opsanus beta: 13 9, 10, 11.
 Orange, Mandarin, Citrus tachibana
Orchestia traskiana: 15 45.
Orconectes immunis: 13 7.
Orconectes limosus: 10 46.
Orconectes nais: 7 37, 45; 14 71.
Orconectes virilis: 10 23.
 Orfe, golden, Leuciscus idus melanotus
Oryctolagus cuniculus: 13 14; 15 10, 11, 52, 64.
Oryza sativa: 3 iii, 1, 8, 19, 27; 5 22; 8 29; 9 1; 10 22; 12 39, 40; 14 26.
Oryzaephilus surinamensis: 13 1.
Oryzias latipes: 2 22.
Osmerus mordax: 1 27, 29; 8 11; 15 31.
 Osprey, Pandion haliaetus
Ostrea edulis: 15 2, 30, 42.
 Otter
 River, Lutra canadensis
 Sea, Enhydra lutris
Otus asio: 7 52, 60.
Ovis aries: 3 13; 9 14, 27; 10 37; 12 68, 69; 14 iii, 3, 12, 45, 55, 87, 92-94, 99; 15 33.

Ovis canadensis: 6 15.

Ovis sp.: 1 33; 3 24; 4 8, 18, 19; 5 1, 26, 28, 29, 41; 9 1, 24; 10 43; 12 3;
15 15, 60, 64, 68.

Owl

Barn, Tyto alba

Eagle, Bubo bubo

Great horned, Bubo virginianus

Long-eared, Asio otus

Screech, Otus asio

Oyster

American, Crassostrea virginica

European flat, Ostrea edulis

Pacific, Crassostrea gigas

Sydney rock, Crassostrea commercialis

Oystercatcher, Eurasian, Haematopus ostralegus

Oysters: 5 27; 6 17, 34, 44; 7 48, 49; 11 40; 15 11, 20, 27, 34, 43, 70.

Pachymetopan grande: 6 37.

Pacifastacus sp.: 10 23.

Pagophilus groenlandica: 10 54, 56, 65, 74.

Pagurus longicarpus: 2 16.

Paintbrush, Indian, Castilleja spp.

Palaemon macrodactylus: 4 10.

Palaemonetes kadiakensis: 4 9; 7 37, 45.

Palaemonetes pugio: 2 7; 4 10; 6 35; 7 38; 11 37-39; 13 7; 14, 31; 15
45, 48.

Palaemonetes vulgaris: 1 12, 15, 21, 22; 2 16.

Palm, Iraqi date, Phoenix sp.

Panagrellus redivivus: 9 25, 28.

Pandalus borealis: 12 29, 35.

Pandalus montagui: 2 7; 14 31.

Pandalus spp.: 12 29.

Pandion haliaetus: 4 7; 6 14; 10 34; 12 21, 32.

Panonychus ulmi: 15 65.

Pantala hymenea: 2 28.

Panthers: 14 99.

Panulirus cygnus: 12 35.

Panulirus interruptus: 2 7.

Papio anubis: 14 95, 99.

Paracentrotus lividus: 14 31.

Parafilaria bovicola: 12 12.

Paralichthys dentatus: 5 34.

Paralithodes camtschatica: 12 29.

Paramecium caudatum: 11 48.

Paranais sp.: 8 19.

Parmelia baltimorensis: 14 23, 24.

Paroctopus sp.: 12 35.

Parophrys vetulus: 11 45, 46, 48; 12 32.

Partridge, gray, Perdix perdix
Paspalum notatum: 1 21, 23.
Passer domesticus: 3 12, 15; 5 23; 9 9; 10 52; 13 13; 14 39.
Patella caerulea: 15 27, 30.
 Pea, Pisum sativum
 Peanut, Arachis hypogea
 Pear, Pyrus communis
Pecten alba: 12 35.
Pecten maximus: 2 6; 15 30, 34.
Pelecanus occidentalis: 2 10; 4 7; 5 14; 6 14; 10 34; 12 21, 32; 14 39.
Pelecanus sp.: 4 14; 7 34, 53.
 Pelican
 Brown, Pelecanus occidentalis
 Various, Pelecanus sp.
Penaeopsis joyneri: 9 20.
Penaeus aztecus: 5 34; 7 38; 9 11; 11 38, 40; 12 29; 13 6.
Penaeus duorarum: 4 10; 7 38; 11 40, 43.
Penaeus indicus: 10 48.
Penaeus latisulcatus: 12 35.
Penaeus setiferus: 10 61; 12 29; 13 21.
Penaeus sp.: 2 7.
 Penguin, Adelie, Pygoscelis adeliae
Perca flavescens: 3 9; 4 9; 5 32; 7 38, 48; 8 11, 16; 10 29; 12 26; 15 31.
 Perch
 Climbing, Anabas testudineus
 Yellow, Perca flavescens
Perdix perdix: 4 12; 7 20; 10 2, 52, 62; 12 60.
 Periwinkle, Littorina littorea
Pernis apivorus: 14 2, 3.
Peromyscus leucopus: 2 25; 3 15; 7 41, 56; 9 iv, 2, 23, 24, 26; 14 45, 47, 53; 15 61.
Peromyscus maniculatus: 11 54; 14 45, 46, 53; 15 33.
Peromyscus polionotus: 1 7, 17; 3 13-15; 8 8.
 Petrel, storm, Oceanodroma furcata
 Petromyzontidae: 11 33.
Phaeodactylum tricornutum: 2 22; 14 65, 70.
Phalacrocorax auritus: 7 20, 32; 8 8, 13.
Phalacrocorax carbo: 7 21, 36.
Phalacrocorax sp.: 1 32.
Phaseolus sp.: 3 23; 4 1.
Phaseolus vulgaris: 7 29; 14 56.
Phasianus colchicus: 1 6, 7; 2 12; 3 12, 14; 4 8, 12, 17; 5 23; 7 21, 33, 40; 9 iv, 1, 14, 23, 30; 10 2, 34, 50, 52, 54, 63, 71; 12 60; 13 13, 15; 14 12.
Phasianus sp.: 3 8, 16; 5 6; 7 52, 53; 14 86.
 Pheasant, ring-necked, Phasianus colchicus
Philodena acuticornis: 6 20.
Philohela minor, see Scolopax minor

Phleum pratense: 7 11.
Phoca groenlandica: 6 12; 10 43.
Phoca hispida: 5 15; 7 25; 10 61, 64.
Phoca spp.: 5 15, 25.
Phoca vitulina: 5 15; 7 34; 10 37; 12 34; 14 53; 15 33.
Phoenix sp.: 13 23.
Phoxinus phoxinus: 7 48; 12 48.
Physa heterostropha: 6 20.
Physa sp.: 5 31; 8 19; 11 42, 46.
Physeter macrocephalus: 7 25.
Pica pica: 10 54.
Picea abies: 14 26, 48.
Picea alba: 12 22.
Pickereel, chain, Esox niger
Pieris brassicae: 9 6, 13.
Pig
 Guinea, Cavia spp.
 Domestic, Sus spp.
Pigeon, domestic, Columba livia,
Pike, northern, Esox lucius
Pimephales promelas: 1 8, 12, 13, 18; 2 31; 3 9; 4 9, 11, 14-16; 5 32; 6
 24-26; 7 51; 8 18, 22; 9 10, 18, 22; 10 58; 11 38, 41; 12 48, 55; 13 6,
 7, 20; 14 64; 15 46.
Pine
 Mugho, Pinus sp.
 Shortleaf, Pinus echinata
Pinfish, Lagodon rhomboides
Pinna nobilis: 6 33.
Pinnipeds: 14 99.
Pintail, northern, Anas acuta
Pinus echinata: 14 26.
Pinus silvestris: 12 22, 41.
Pinus sp.: 3 4, 15, 23; 12 41.
Pisum sativum: 4 19; 12 39, 41.
Pitar morrhuana: 6 10.
Pitymys (= Microtus) pinetorum: 14 91.
Placopecten magellanicus: 2 6; 11 28; 12 28.
Plaice, Platichthys flesus, Pleuronectes platessa
Plant, marine flowering, Posidonia oceanica
Platichthys flesus: 2 8; 7 31, 48, 60; 11 40; 14 33.
Platymonas subcordiformis: 14 70.
Plegadis chihi: 5 14.
Pleuronectes flesus: 10 61.
Pleuronectes platessa: 14 67.
Plumaria elegans: 12 50.
Poa annua: 12 6, 39.
Pochard, Aythya ferina
Podiceps cristata: 10 35.

Podiceps nigricollis: 5 20.
Podiceps spp.: 7 22.
Podicipediformes: 10 12.
Podilymbus podiceps: 4 6.
Podoclavella moluccensis: 6 11.
Podophthalmus vigil: 6 34.
Poecilia reticulata: 3 21; 4 9; 5 6, 37; 8 18, 21, 28; 10 61; 14 71; 15 46.
Poeciliopsis spp.: 11 36, 48.
Polecat, Mustela putorius furo
Polychaetes, Capitella, Neanthes, Nereis
Pomatomus saltatrix: 2 8; 10 40.
Pomoxis annularis: 2 11.
Pontoporeia affinis: 2 23, 29.
Pontoporeia hoyi: 11 45.
Populus tremuloides: 7 11.
Porcellio scaber: 14 48, 57.
Porcellio sp.: 5 22.
Porcupine, Erethizon dorsatum
Porgy, Pachymetopan grande
Porgy, black, Sparus macrocephalus
Porphyra martinica: 4 7.
Porthetria dispar: 14 31.
Porzana carolina: 14 40.
Posidonia oceanica: 10 22.
Potamogeton crispus: 2 3; 15 4.
Potamogeton foliosus: 14 71.
Potamogeton richardsoni: 2 10.
Potamogeton spp.: 12 23; 14 27.
Potato
 Common, Solanum tuberosum
 Sweet, Ipomoea batatas
Prawn
 Deep sea, Pandalus borealis
 Freshwater, Macrobrachium tamarrei, M. rosenbergii
 Various, Pandalus montagui, Pandalus spp., Penaeus indicus, Penaeus
 tatisulcatus
Prionace glauca: 12 35.
Pristina sp.: 2 21.
Procambarus acutus acutus: 3 9.
Procambarus blandingi: 1 4, 12, 21.
Procambarus clarki: 1 14, 18; 9 19; 13 7.
Procambarus spp.: 4 7.
Procyon lotor: 1 21; 5 24; 7 41, 56; 10 38, 43; 14 46, 99, 104.
Pronghorn, Antilocapra americana
Prosopium cylindraceum: 10 29; 15 31.
Protozoan, Chilomonas, Cristigera, Entosiphon, Paramecium, Tetrahymena,
 Uronema
Prunus avium: 10 22.

Prunus serotina: 14 27, 48.
Psettichthys melanostictus: 11 40, 42.
Pseudagrion spp.: 13 7.
Pseudomonas sp.: 3 6; 5 4; 9 3; 15 4.
Pseudopleuronectes americanus: 2 23; 5 34; 8 18; 11 29; 15 31.
Pseudorasbora parva: 9 20.
 Ptarmigan
 Common, Lagopus mutus
 Willow, Lagopus lagopus
Pteronarcella badia: 7 37; 13 6, 7.
Pteronarcys californica: 9 10; 12 46; 13 7.
Pteronarcys dorsata: 12 46.
Pteronarcys sp.: 4 9.
Ptychocheilus oregonensis: 10 40.
 Puffins, Fratercula spp.
Puffinus pacificus: 5 14.
 Pumpkinseed, Lepomis gibbosus
Puntius conchonus: 14 64.
Pygoscelis adeliae: 2 9.
Pyrus communis: 4 1; 5 22; 15 65, 69.
Pytiscidae: 2 28.

Quail

 California, Callipepla californica
 Common, Coturnix coturnix
 Coturnix, Coturnix risoria
 Japanese, Coturnix japonica
Quelea, Quelea quelea
Quelea quelea: 3 12, 15.
Quercus spp.: 12 41.
Quiscalus mexicanus: 4 6.
Quiscalus quiscula: 3 12, 17; 7 36, 52; 10 54; 13 13.

Rabbit,

 Various, Lepus, Oryctolagus, Sylvilagus
 White, Oryctolagus cuniculus
 Raccoon, Procyon lotor
 Racerunner, six-lined, Cnemidophorus sexlineatus
 Radish, Raphanus sativus
 Rail
 Clapper, Rallus longirostris
 Sora, Porzana carolina
Raja erinacea: 8 18.
Raja sp.: 12 32, 35.

Rallus longirostris: 1 32; 4 7.
Rana catesbeiana: 8 20; 9 10; 10 30; 13 6; 14 34, 50, 72.
Rana clamitans: 14 50.
Rana pipiens: 6 12; 10 30, 47, 59; 11 49; 14 72.
Rana sphenoccephala: 4 9.
Rana spp.: 12 32; 14 34.
Rana temporaria: 15 46.
Rana temporaria: 10 31.
Rana utricularia: 14 72.
Rangia cuneata: 3 10, 22; 6 34; 11 36, 41, 43, 44.
Rangifer tarandus: 10 64; 14 100.
Raphanus sativus: 14 56.
Rasbora heteromorpha: 15 46.
 Rat

Cotton, Sigmodon hispidus
 Laboratory white, Rattus spp.

Norway, Rattus norvegicus

Rattus norvegicus: 5 24; 7 41; 13 14; 14 46, 47.
Rattus spp.: 1 3-7, 10, 16; 2 iii, 19, 31; 3 11, 13, 15, 16, 23-25; 4 4, 8, 18, 5 iv, 26-29, 39, 41, 43, 44; 6 18, 27, 38-40; 7 41-43, 49, 54, 55, 58, 60; 8 24-29; 9 iv, 8, 13, 14, 24, 26, 30; 10 12, 65, 66; 11 1, 49, 51-53, 55, 63; 12 11, 69, 70, 73; 14 iii, 12-15, 55, 87, 95-97, 99, 108; 15 3, 4, 8, 10, 11, 52-64, 68

Ray, Raja sp.

Recurvirostra americana: 5 20.

Redhead, Aythya americana

Redhorse, black, Moxostoma duquesnei

Redshank, Icelandic, Tringa totanus robusta

Rhizophora spp.: 1 12; 10 20.

Rice,

Domestic, Oryza sativa

Wild, Zizania aquatica

Rissa tridactyla: 7 21.

Rithropanopeus harrisi: 4 10; 15 36, 45.

Robin,

American, Turdus migratorius

European, Erithacus rubecula

Rotifer, Brachionus plicatilis

Rudd, Scardinius erythrophthalmus

Rye, Secale cereale

Rye, perennial, Lolium perenne

Rynchops niger: 7 21, 32.

Saccharum officinarum: 3 1; 8 29.

Saccobranhus fossilis: 3 9.

Sagebrush, big, Artemisia tridentata

Saguinus fuscicollis: 9 1.

Saimiri spp.: 6 18.

Salamander

Marbled, Ambystoma opacum

Tiger, Ambystoma tigrinum

Salmo clarki: 7 38; 9 10; 13 8.

Salmo gairdneri: 1 8; 2 11, 18, 27, 28; 3 9; 4 3, 9; 5 26, 33, 35, 36, 40, 41; 6 20, 24-26, 31, 32; 7 31, 37, 47-49, 57, 60; 8 8, 11, 18, 20, 28; 9 8, 10; 10 46, 49, 59-61; 11 15, 37, 41, 43, 44, 48; 12 26, 48, 53, 55; 13 8; 14 13, 55, 57, 60-62, 69; 15 37, 43, 47.

Salmo salar: 1 12, 13; 2 22; 5 26; 7 31, 48; 11 41, 43; 12 26; 15 32, 34.

Salmo spp.: 10 29.

Salmo trutta: 3 9; 4 9; 5 36; 7 47, 49; 8 11; 11 33.

Salmon

Atlantic, Salmo salar

Chinook, Oncorhynchus tshawytscha

Chum, Oncorhynchus keta

Coho, Oncorhynchus kisutch

Pink, Oncorhynchus gorbuscha

Various, Salmonidae

Salmonella: 2 31; 3 25; 4 18.

Salmonella typhimurium: 3 25; 6 30; 7 55; 8 17; 11 34, 49; 12 35.

Salmonidae: 5 iii, 18; 7 10, 47, 54; 10 40; 15 34, 70.

Saltbush, Atriplex spp.

Salvelinus fontinalis: 1 13, 18, 27; 2 18, 20, 22; 4 14, 15, 16; 5 33; 6 26; 7 12, 31, 48, 49, 51; 9 10, 18, 20, 22; 10 29, 46, 49, 59-61, 70, 74; 12 49; 14 62, 63.

Salvelinus namaycush: 1 27; 3 9; 4 5; 5 27, 35; 6 12, 26; 7 27, 31, 47, 60, 61; 8 8, 11; 9 10; 10 29; 12 26; 13 9; 14 62; 15 32.

Sanddab, speckled, Citharichthys stigmaeus

Sandpiper

Solitary, Tringa solitaria

Spotted, Actitis macularia

Various, Calidris, Erolia

Sarcophagus papa: 14 3.

Sargassum fluitans: 12 27.

Sargassum sp.: 12 27.

Sauger, Stizostedion canadense

Scallop

Bay, Argopecten irradians

Giant, Placopecten magellanicus

Pacific, Chlamys ferrei nipponensis

Rock, Hinnites multirugosus

Various, Pecten

Scardinius erythrophthalmus: 6 31.

Scaup, lesser, Aythya affinis

Scenedesmus obliquus: 12 44, 45.

Scenedesmus quadricauda: 7 48; 15 38.

Sciurus carolinensis: 2 14; 10 38.

Sciurus hudsonicus: 2 14.

Scolopax minor: 1 31; 3 18; 7 21.
Scombridae: 5 13.
Scophthalmus aquosus: 7 13, 31; 11 30; 12 32.
 Screech-owl, eastern, Otus asio
Scripsiella faeroense: 10 59.
Scrobicula plana: 2 6.
 Scud, Gammarus, Hyaella
 Sculpin, shorthorn, Myoxocephalus scorpius
 Sea-eagle, white-tailed, Haliaeetus albicilla
 Sea lion, California, Zalophus californianus
 Sea urchin, Anthodidaris, Arbacia, Echinodermata, Hemicentrotus, Paracentrotus
 Seal
 Australian fur, Arctocephalus pusillus
 Gray, Halichoerus grypus
 Harbor, Phoca groenlandica, P. vitulina
 Harp, Pagophilus groenlandica
 Northern fur, Callorhinus ursinus
 Ringed, Phoca hispida
 Weddell, Leptonychotes weddell
 Seatrout, spotted, Cynoscion nebulosus
Secale cereale: 5 2; 6 13; 11 26; 12 12.
Selenastrum capricornutum: 12 45; 14 58, 71.
Sepiotheuthis australis: 12 35.
Sergestes lucens: 12 30.
Seriola quinqueradiata: 9 9.
Sesarma cinereum: 4 10.
Sesarma heamatocheir: 6 24.
 Shad
 Gizzard, Dorosoma cepedianum
 Threadfin, Dorosoma petenense
 Shark
 Blue, Prionace glauca
 Shortfin mako, Isurus oxyrinchus
 Various, Carcharhinus, Mustelus, Sphyrna
 Whitetip, Carcharhinus longimanus
 Sharks: 10 40, 74.
 Shearwater, wedge-tailed, Puffinus pacificus
 Sheep
 Bighorn, Ovis canadensis
 Domestic, Ovis aries, Ovis sp.
 Shell
 Ivory, Buccinum striatissimum
 Spindle, Hemifusus
 Shiner
 Blacktail, Notropis venustus
 Spottail, Notropis hudsonius
 Shoveler, northern, Anas clypeata
 Shrew

Common, Sorex araneus
 Short-tailed, Blarina brevicauda
 Shrimp
 Brine, Artemia salina
 Brown, Penaeus aztecus
 Glass, Palaemonetes kadiakensis
 Grass, Palaemonetes pugio, P. vulgaris
 Korean, Palaemon macrodactylus
 Mysid, Metamysidopsis, Mysidopsis, Mysis
 Pink, Penaeus duorarum
 Sand, Crangon crangon
 Various, Lysmata, Penaeopsis, Sergestes
 White, Penaeus setiferus
 Shrimps: 5 17, 37; 6 35; 7 38, 47, 48; 9 iii, 8; 10 24; 12 29, 30, 81; 13 19;
 15 37.
 Sicklepod, Cassia spp.
Sigmodon hispidus: 6 5, 15, 42.
 Silkworm, Bombyx mori
Sillago bassensis: 12 56.
 Silverside
 Atlantic, Menidia menidia
 Inland, Menidia beryllina
 Tidewater, Menidia peninsula
Simocephalus serrulatus: 2 17; 9 10; 12 47.
Simocephalus sp.: 4 9.
Simulium sp.: 14 31.
 Siphonoptera: 9 3; 13 1.
 Skate, little, Raja erinacea
Skeletonema costatum: 2 22; 12 50; 14 65; 15 38-40, 43, 45, 47.
 Skimmer, black, Rynchops niger
 Skipper, mud, Boleophthalmus dussumieri
 Skua, great, Catharacta skua
 Slug, Agriolimax reticulatus
 Smelt, rainbow, Osmerus mordax
 Snail
 Land, Helix aspersa
 Mud, Nassarius obsoletus
 Pond, Cipangopoludina malleata
 Ram's horn, Helisoma trivolvis
 Red, Indoplanorbis exustus
 Various, Amnicola, Arcularia, Australorbus, Biomphalaria, Bulinus,
 Helisoma, Helix, Lanistes, Lymnaea, Mudalia, Neritina, Physa,
 Viviparus
 Snake
 Garter, Thamnophis sp.
 Northern water, Nerodia sipedon
 Water, Natrix, Nerodia
 Snapper, mangrove, Lutjanus griseus

Solanum tuberosum: 5 22; 12 6, 12; 14 27.

Sole

English, Parophrys vetulus

Sand, Psettichthys melanostictus

Various, Limanda, Solea, Trinectes

Solea solea: 7 8; 15 44.

Solenopsis invicta: 1 iii, 1, 11, 20, 21, 23, 24, 33; 13 1.

Solidago graminifolia: 7 11.

Somateria mollissima: 1 32; 2 9; 6 14.

Sorex araneus: 14 47.

Sorghum, Sorghum halopense

Sorghum halopense: 3 22; 12 68.

Soybean, Glycine max

Sparrow

Chipping, Spizella passerina

House, Passer domesticus

Sparrowhawk, European, Accipiter nisus

Spartina alterniflora: 10 20; 12 53.

Spartina spp.: 6 9.

Sparus macrocephalus: 10 14.

Spermophilus variegatus: 5 24.

Sphagnum spp.: 10 22.

Sphyngidae: 12 6.

Sphyrna spp.: 10 29.

Spider, Araneus umbricatus

Spinach, Spinacia oleracea

Spinacia oleracea: 11 35.

Spizella passerina: 2 27.

Spot, Leiostomus xanthurus

Spruce, Picea spp.

Squalus acanthias: 12 32; 15 32.

Squawfish, northern, Ptychocheilus oregonensis

Squid, Loligo, Ommastrephes, Sepioteuthis

Squids: 6 10.

Squirrel

Gray, Sciurus carolinensis

Red, Sciurus hudsonicus

Rock, Spermophilus variegatus

Stanleya spp.: 5 6.

Starfish, Asterias forbesi

Starling, European, Sturnus vulgaris

Stelgidopteryx serripennis: 14 40.

Stenella coeruleoalba: 10 38, 43.

Sterna forsteri: 4 6; 8 8, 13.

Sterna fuscata: 5 14.

Sterna hirundo: 2 10; 10 63; 14 82.

Sterna maxima: 5 14.

Sterna paradisaea: 7 22.

Stichopus japonicus: 12 35.

Stickleback

Fourspine, Apeltes quadracus

Threespine, Gasterosteus aculeatus

Stilt, black-necked, Himantopus mexicanus

Stizostedion canadense: 2 11.

Stizostedion vitreum vitreum: 2 11, 20; 6 26; 7 14; 10 29.

Strawberry, Fragaria vesca

Streptopelia capicola: 1 9.

Streptopelia risoria: 2 24; 7 36, 50, 53, 60; 8 23; 13 14; 14 82, 83.

Sturgeon

Sevyuga, Accipenser stellatus

Sheep, Accipenser nudiiventris

Sturnella magna argutula: 8 8.

Sturnella neglecta: 9 29.

Sturnus vulgaris: 1 6; 2 13; 3 12; 7 22, 32, 36, 40; 9 14; 10 54, 62; 12 33;
13 13; 14 40, 41, 52, 84, 107.

Stylodrilus sp.: 11 45.

Sucker, white, Catostomus commersoni

Sugar cane, Saccharum officinarum

Sula leucogaster: 7 23.

Sula sula: 5 14.

Sunfish

Green, Lepomis cyanellus

Longear, Lepomis megalotis

Redear, Lepomis microlophus

Spotted, Lepomis punctatus

Sunflower, Helianthus spp.

Sus spp.: 5 26, 28-30, 39, 44; 8 1, 5,; 9 iv, 8, 13, 14, 16, 24, 27; 10
12, 54, 55; 12 6, 11, 70, 77, 81; 13 12; 14 86, 98, 99.

Swallow

Barn, Hirundo rustica

Northern rough-winged, Stelgidopteryx serripennis

Swan

Mute, Cygnus olor

Trumpeter, Cygnus buccinator

Tundra, Cygnus columbianus

Swine, Sus spp.

Swordfish, Xiphias gladius

Sylvilagus floridanus: 2 14; 7 41.

Sylvilagus sp.: 12 71.

Tadpoles: 12 11.

Talpa europea: 5 24.

Tamarin, Saguinus fuscicollis

Tanytarsus dissimilis: 2 17; 5 31; 7 51; 14 60.

Tapes decussatus: 10 61.

Tapeworm: 12 3.

Tea, Labrador, Ledum sp.

Teal

Blue-winged, Anas discors

Green-winged, Anas carolinensis

Termite

Australian, Mastotermes darwinensis

Rhodesian, Trinervitermes dispar

Tern

Arctic, Sterna paradisaea

Common, Sterna hirundo

Forster's, Sterna forsteri

Royal, Sterna maxima

Sooty, Sterna fuscata

Terrapene carolina: 1 21; 14 35.

Tetraedron sp.: 13 18.

Tetrahymena pyriformis: 5 35; 7 45.

Tetranychus mcdanieli: 15 65.

Tetranychus urticae: 15 65.

Tetraselmis chui: 12 54.

Thais lapillus: 2 6.

Thalassiosira aestivalis: 12 50.

Thalassiosira pseudonana: 15 37, 39.

Thamnophis sp.: 11 49.

Thomomys sp.: 9 1.

Thynnus spp.: 5 14; 10 40.

Tilapia, Mozambique, Tilapia mossambica

Tilapia mossambica: 14 49; 15 46.

Timothy, Phleum pratense

Tipula sp.: 4 9; 5 22.

Tisbe holothuriae: 6 22.

Toad

European, Bufo bufo

Narrow-mouthed, Gastrophryne carolinensis

Various, Bufo sp., Bufo terrestris

Toadfish, Gulf, Opsanus beta

Toadflax, bastard, Comandra

Tobacco, Nicotiana tabacum

Tomato, Lycopersicon esculentum

Tomcod, Microgadus tomcod

Triaenodus tardus: 3 21.

Trichechus manatus: 7 25, 34.

Trichogaster pectoralis: 3 21.

Tridacna maxima: 11 28; 12 35.

Trifolium sp.: 4 1.

Trinectes maculatus: 1 14.

Trinervitermes dispar: 6 14.

Tringa solitaria: 7 23.

Tringa totanus robusta: 12 33.

Triticum aestivum: 2 12; 5 22; 9 25; 10 1; 11 25, 26; 12 12, 43.

Triticum vulgare: 15 28.

Triturus cristatus: 11 49.

Trout

Brook, Salvelinus fontinalis

Brown, Salmo trutta

Cutthroat, Salmo clarki

Lake, Salvelinus namaycush

Rainbow, Salmo gairdneri

Spotted sea, Cynoscion nebulosus

Tubifex costatus: 12 51.

Tubifex sp.: 6 30; 14 32.

Tubifex tubifex: 3 10; 15 27, 45.

Tuna

Japanese, Scombridae

Various, Thynnus spp.

Tunas: 10 30; 14 34.

Tunicate, Podoclavella moluccensis

Turdus merula: 5 23;

Turdus migratorius: 2 12; 7 23; 12 56; 14 41.

Turkey, Meleagris gallopavo

Turnip, Brassica rapa

Turtle

Atlantic green, Chelonia mydas

Box, Terrapene carolina

Slider, Chrysemys scripta

Snapping, Chelydra serpentina

Loggerhead, Caretta caretta

Turtle-dove, ringed, Streptopelia risoria

Tuskfish, scarbreast, Choerodon azurio

Tympanuchus cupido: 10 52.

Tympanuchus cupido attwateri: 7 23.

Tympanuchus phasianellus: 4 12.

Tyto alba: 7 53.

Uca minax: 3 22.

Uca pugilator: 2 23; 10 48, 61; 15 37, 43.

Uca sp.: 13 19, 21.

Ulmus americana: 15 28.

Ulva sp.: 14 27.

Umbra limi: 9 18.

Umbra pygmaea: 6 13; 11 48.

Upeneus moluccensis: 15, 27.

Uria aalge: 7 23.

Uronema marinum: 10 47.

Uronema nigricans: 10 61.

Uronema sp.: 14 59.

Urophycus chuss: 11 30.

Ursus maritimus: 7 1, 25.

Vaccinium angustifolium: 12 22.

Vaccinium pallidum: 14 27.

Vigna sp.: 12 41.

Vitis sp.: 5 22.

Vole

Bank, Clethrionomys glareolus

Field, Microtus agrestis

Meadow, Microtus pennsylvanicus

Pine, Pitymys (= Microtus) pinetorium

Prairie, Micropterus ochrogaster, Microtus ochrogaster

Viviparus ater: 14 14.

Vulpes sp.: 12 34; 14 99; 15 33.

Vulpes vulpes: 10 39, 43, 64.

Vultur gryphus: 14 2.

Vulture, king, Sarcorhampus papa

Walleye, Stizostedion vitreum vitreum

Walrus, Odobenus rosmarus

Watermilfoil, Eurasian, Myriophyllum spicatum

Weed

Duck, Lemna minor

Lake, Lagarosiphon major

Loco, Astragalus

Pond, Ceratophyllum, Najas, Navicula, Potamogeton

Sargassum, Sargassum fluviatans

Sea, Chondrus, Fucus, Sargassum

Water, Elodea

Whale

Cuvier's goosebeaked, Ziphius cavirostris

Fin, Balaenoptera physalis

Pilot, Globicephala macrorhynchus

Sperm, Physeter macrocephalus

Wheat, Triticum aestivum, Triticum vulgare

Whelk

Common dog, Nucella lapillus, Nucellus lapillus

Various, Kelletia kelletia, Thais lapillus

Whistling-duck, fulvous, Dendrocygna bicolor

Whitefish

Lake, Coregonus clupeaformis

Round, Prosopium cylindraceum

Various, Coregonus spp.

Whiting, Sillago bassensis

Wigeon, American, Anas americana

Wolffish, spotted, Anarhicas minor

Woodchuck, Marmota monax

Woodcock, American, Scolopax minor

Woodlice: 14 32, 48.

Worm

Earth, Allolobophora, Eisenia, Lumbricus, Octochaetus

Horn, Sphingidae

Lug, Arenicola cristata

Marine, Nephtys hombergi

Sand, Nereis diversicolor

Silk, Bombyx mori

Tiger, Eisenia foetida

Tobacco horn, Manduca sexta

Various, Limnodrilus, Nais, Neanthes, Paranais, Stylodrilus, Tubifex

Worms: 6 44; 7 8, 28, 50; 14 35; 15 8, 15.

Xenopus laevis: 5 31, 35; 11 49.

Xiphias gladius: 5 14; 10 30.

Yeasts: 3 26; 12 9, 41.

Yellowtail, Seriola quinqueradiata (= alandei)

Zalophus californianus: 2 10; 5 15, 25; 10 39, 43; 14 52.

Zapus princeps: 6 15.

Zea mays: 3 iii, 1, 4, 5, 15, 17, 21, 26-28; 4 19; 5 22; 6 13; 8 16; 9 1; 12 12, 43; 14 48, 56; 15 28.

Zebrafish, Brachydanio rerio

Zenaida (= Zenaidura) macroura: 7 23, 50, 60; 10 35; 14 2, 85.

Ziphius cavirostris: 7 26.

Zizania aquatica: 14 70.

Zylorhiza spp.: 5 6.

LITERATURE CITED

- American Fisheries Society. 1980. A list of common and scientific names of fishes from the United States and Canada. Am. Fish. Soc. Spec. Publ. 12. 174 pp.
- Edwards, E. P. 1974. A coded list of birds of the world. Ernest P. Edwards, Sweet Briar, Virginia. 174 pp.
- Eisler, R. 1985a. Mirex hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.1). 42 pp.
- Eisler, R. 1985b. Cadmium hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.2). 46 pp.
- Eisler, R. 1985c. Carbofuran hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.3). 36 pp.
- Eisler, R. 1985d. Selenium hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.5). 57 pp.
- Eisler, R. 1986a. Chromium hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.6). 60 pp.
- Eisler, R. 1986b. Polychlorinated biphenyl hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.7). 72 pp.
- Eisler, R. 1986c. Dioxin hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.8). 37 pp.
- Eisler, R. 1986d. Diazinon hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.9). 37 pp.
- Eisler, R. 1987a. Mercury hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.10). 90 pp.
- Eisler, R. 1987b. Polycyclic aromatic hydrocarbon hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv.

Biol. Rep. 85(1.11). 81 pp.

Eisler, R. 1988a. Arsenic hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.12). 92 pp.

Eisler, R. 1988b. Lead hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.14). 134 pp.

Eisler, R. 1989. Tin hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.15). 83 pp.

Eisler, R., and J. Jacknow. 1985. Toxaphene hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.4). 26 pp.

Jenkins, D. W. 1980. Biological monitoring of toxic trace metals. Vol. 1; Vol. 2, Parts I, II, and III. U. S. Environ. Protection Agency Rep. 600/3-80-092. 1274 pp.

Johnson, W. W., and M. T. Finley. 1980. Handbook of acute toxicity of chemicals to fish and aquatic invertebrates. U. S. Fish. Wildl. Serv. Resour. Publ. 137. 98 pp.

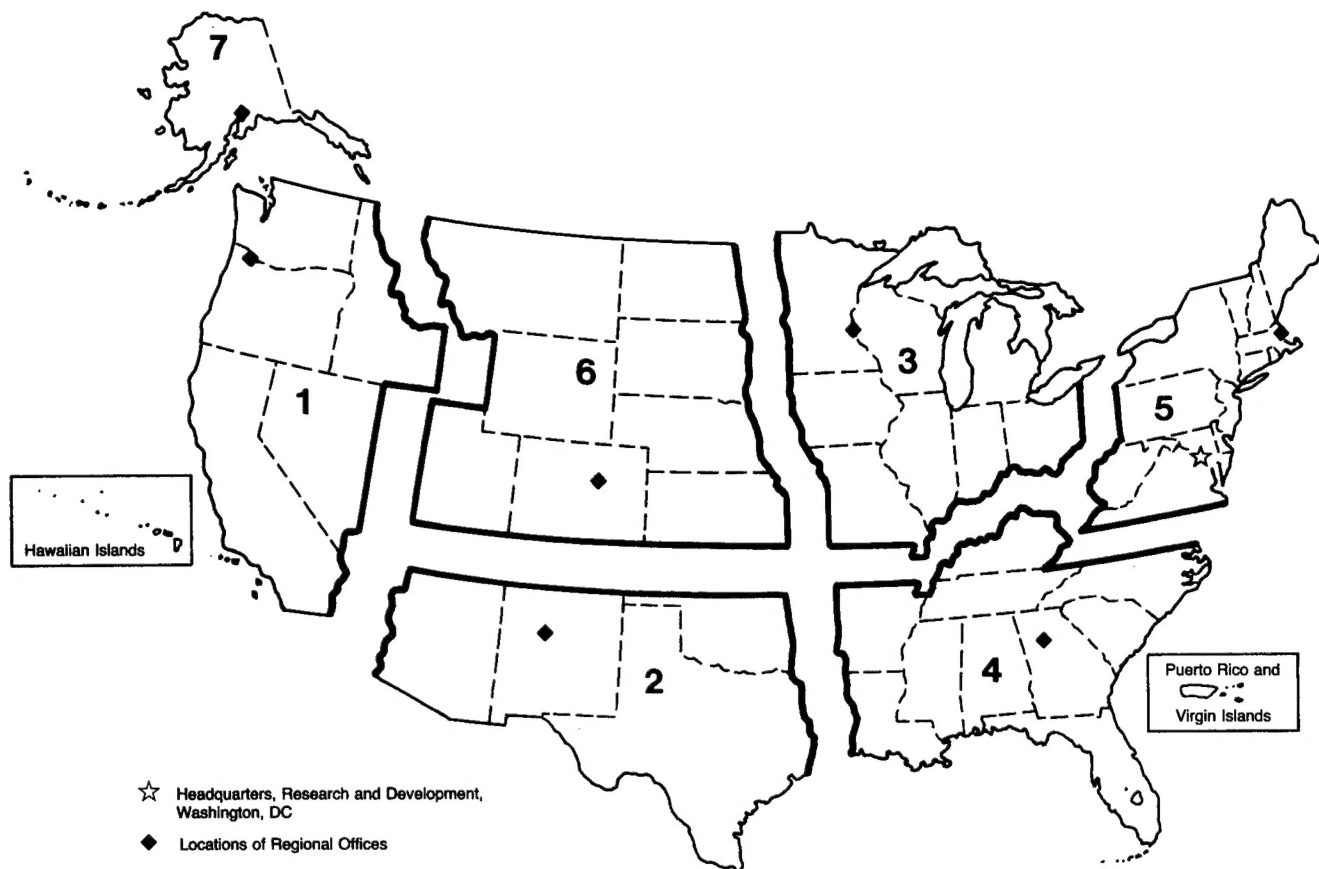
Nowak, R. M., and J. L. Paradiso. 1983. Walker's mammals of the world. Vol. I and II. Johns Hopkins Univ. Press, Baltimore, Maryland. 1362 pp. + LXXXI.

Odenkirchen, E. W., and R. Eisler. 1988. Chlorpyrifos hazards to fish, wildlife, and invertebrates: a synoptic review. U.S. Fish Wildl. Serv. Biol. Rep. 85(1.13). 34 pp.

Scott, T. G., and C. H. Wasser. 1980. Checklist of North American plants for wildlife biologists. The Wildlife Society, Suite 611, 7101 Wisconsin Ave. NW, Washington, DC 20014. 58 pp.

Swain, R. B., and S. N. Swain. 1948. The insect guide. Doubleday, New York. 261 pp.

REPORT DOCUMENTATION PAGE	1. REPORT NO. Biological Report 85(1.16).	2.	3. Recipient's Accession No.
4. Title and Subtitle Index to common and scientific names of species listed in Contaminant Hazard Reviews 1 through 15		5. Report Date February 1989	
7. Author(s) Ronald Eisler and Joyce Haber Corley		8. Performing Organization Rept. No.	
9. Performing Organization Name and Address Patuxent Wildlife Research Center U.S. Fish and Wildlife Service Laurel, Maryland 20708		10. Project/Task/Work Unit No. 11. Contract(C) or Grant(G) No. (C) (G)	
12. Sponsoring Organization Name and Address		13. Type of Report & Period Covered 14.	
15. Supplementary Notes			
16. Abstract (Limit: 200 words) Biological species listed in the first 15 Contaminant Hazard Reviews-- published as U.S. Fish and Wildlife Service Biological Reports 85(1.1) through 85(1.15), inclusive--were indexed by common name and by scientific name, and cross-referenced by contaminant and corresponding page numbers.			
17. Document Analysis a. Descriptors Index, Fish, Wildlife, Invertebrates, Algae, Macrophytes b. Identifiers/Open-Ended Terms Mirex, Cadmium, Carbofuran, Toxaphene, Selenium, Chromium, Polychlorinated biphenyls, Dioxins, Diazinon, Mercury, Polycyclic aromatic hydrocarbons, Arsenic, Chlorpyrifos, Lead, Tin c. COSATI Field/Group			
18. Availability Statement Release unlimited	19. Security Class (This Report) Unclassified	21. No. of Pages 44	
	20. Security Class (This Page) Unclassified	22. Price	



REGION 1

Regional Director
U.S. Fish and Wildlife Service
Lloyd Five Hundred Building, Suite 1692
500 N.E. Multnomah Street
Portland, Oregon 97232

REGION 2

Regional Director
U.S. Fish and Wildlife Service
P.O. Box 1306
Albuquerque, New Mexico 87103

REGION 3

Regional Director
U.S. Fish and Wildlife Service
Federal Building, Fort Snelling
Twin Cities, Minnesota 55111

REGION 4

Regional Director
U.S. Fish and Wildlife Service
Richard B. Russell Building
75 Spring Street, S.W.
Atlanta, Georgia 30303

REGION 5

Regional Director
U.S. Fish and Wildlife Service
One Gateway Center
Newton Corner, Massachusetts 02158

REGION 6

Regional Director
U.S. Fish and Wildlife Service
P.O. Box 25486
Denver Federal Center
Denver, Colorado 80225

REGION 7

Regional Director
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, Alaska 99503



Preserve Our Natural Resources



DEPARTMENT OF THE INTERIOR
U.S. FISH AND WILDLIFE SERVICE



As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.